



Universidad Nacional de Loja

Facultad de la Educación, el Arte y la Comunicación Carrera de Pedagogía de los Idiomas Nacionales y Extranjeros

Minecraft and vocabulary learning among superior basic education students at an education institution in Loja, school year 2023-2024

Minecraft y el aprendizaje de vocabulario entre estudiantes de educación básica superior en una institución educativa en Loja, año escolar 2023-2024.

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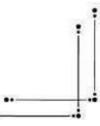
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IV

Dedication

This research project is dedicated to my beloved mother, whose unconditional support and dedication to my academic growth and personal development have guided my journey. Her unwavering belief in me and her passion for my success have been a constant source of inspiration, motivating me to stay on the right path and strive for excellence. Lastly, to my friends and colleagues whose friendship and camaraderie have been fundamental to getting to the end of this journey.

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Daniel Alejandro Calva Carrión

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1. Title

Minecraft and vocabulary learning among superior basic education students at an education institution in Loja, school year 2023-2024

2. Resumen

En el mundo globalizado de hoy, dominar el idioma inglés es indispensable para los estudiantes, y un amplio rango de vocabulario es fundamental para una comunicación y comprensión efectivas. Sin embargo, faltan estrategias innovadoras que aumenten la motivación de los estudiantes y creen conocimientos duraderos. Este estudio explora la efectividad de Minecraft como herramienta para mejorar el aprendizaje de vocabulario en inglés entre estudiantes de una institución pública en Loja durante el período académico 2023-2024. Se empleó un enfoque mixto que incluyó evaluaciones de pretest y postest, cuestionarios y observaciones de campo. Los participantes fueron 12 estudiantes de una institución educativa privada en Loja, Ecuador. La recolección de datos incluyó evaluaciones de pretest y postest para medir la competencia en vocabulario, encuestas para recopilar las percepciones de los estudiantes y notas de campo para observar la implementación de la estrategia. Los resultados mostraron una mejora moderada en la competencia de vocabulario de los estudiantes, con cambios significativos en los niveles de dominio y actitudes positivas hacia el uso de Minecraft para el aprendizaje. El estudio también destaca la necesidad de capacitación integral para los educadores y estrategias para abordar las limitaciones económicas y tecnológicas. Estos hallazgos sugieren que, si bien Minecraft puede ser una herramienta educativa efectiva para el aprendizaje de vocabulario, su éxito depende de las preferencias individuales de los estudiantes y la forma en que se integre en el aula.

Palabras clave: aprendizaje basado en juegos, tecnología en la educación, aprendizaje con *Minecraft, mejora del vocabulario.*

2.1. Abstract

In today's globalized world, mastering English language is indispensable for students, and a wide range of vocabulary is critical for effective communication and comprehension. However, innovative strategies are lacking to enhance student motivation and create lasting knowledge. This study explores the effectiveness of Minecraft as a tool for enhancing English vocabulary learning among students at a public institution in Loja during the 2023-2024 academic period. A mixed-method approach was employed, including pre-test and post-test assessments, questionnaires, and field observations. The participants were 14 students from a private education institution in Loja, Ecuador. Data collection involved pre-test and post-test evaluations to measure vocabulary proficiency, surveys to gather student perceptions, and field notes to observe the implementation of the strategy. Results showed a modest improvement in students' vocabulary proficiency, with significant shifts in proficiency levels and positive attitudes toward using Minecraft for learning. The study also highlights the need for comprehensive training for educators and strategies to address economic and technological constraints. These findings suggest that while Minecraft can be an effective educational tool for vocabulary learning, its success depends on individual student preferences and the manner of its integration into the classroom.

Keywords: Game-based learning, technology in education, Minecraft learning, vocabulary improvement.

3. Introduction

In the second language acquisition field, vocabulary learning plays a pivotal role in enabling learners to communicate effectively through both spoken and written language. However, traditional methods of vocabulary instruction have often fallen short in engaging students and meeting the evolving needs of learners in our rapidly changing technological landscape (Afzal, 2019). As society undergoes constant digital transformation, there is a pressing need to explore innovative strategies that align with the sophisticated learning requirements of the new era (Zhihong Bai, 2018). One such strategy involves reassessing the role of video games in education, particularly their potential impact on vocabulary acquisition.

Historically, video games have been predominantly viewed as sources of entertainment and leisure, with their educational value often overlooked or dismissed (Penny, 2023). However, the dynamic nature of the gaming industry has led to a paradigm shift, with game developers increasingly recognizing and capitalizing on the educational potential of their products (Zimmer Garret, n.d.). This evolution is exemplified by the emergence of educational versions of popular games, such as Minecraft Education, which aim to bridge the gap between entertainment and learning.

In the Ecuadorian context, where video games are still largely perceived as hurting students, this study seeks to challenge prevailing notions and explore the educational potential of gaming. By doing so, it aims to not only change the perception of video games in education but also to provide the educational community with an innovative strategy that transcends traditional methodologies currently dominant in the Ecuadorian education system.

Moreover, this research addresses the lack of engagement often associated with traditional vocabulary teaching methods. As new generations become increasingly immersed in technology and video games, it is crucial to adapt curriculum and teaching strategies to align with these new realities. By leveraging the familiarity and appeal of video games, this study seeks to enhance vocabulary learning, making it more accessible and engaging for students who find technology-based learning more relatable and intuitive.

Importantly, this investigation challenges the prevailing notion that video games are detrimental to children's development. Instead, it posits that video games, when properly harnessed, can enhance children's learning across various domains. Previous research has suggested that video games can contribute to the development of critical thinking skills, observational capacities, and creativity (Sălceanu, 2014; Angamarca Alexander, 2022). By

exploring the educational potential of Minecraft in vocabulary acquisition, this study aims to contribute to the growing body of evidence supporting the positive role of video games in education. With that set, this investigation seeks to answer the research question of How to improve the English vocabulary learning of basic education students at a public institution in Loja through the Minecraft game experience, during the academic period 2023-2024?

To fulfill the purpose of this investigation two specific research questions arise: What is the effectiveness of using Minecraft features to enhance the form, meaning, and use aspects of the English vocabulary? What are the students' attitudes towards using Minecraft for learning vocabulary? By addressing this question, the study aims to provide insights into innovative approaches to vocabulary instruction and contribute to the broader conversation about the role of technology in education.

Therefore, this research addresses a significant gap in the literature by examining the effectiveness of Minecraft in vocabulary instruction within the Ecuadorian educational context. While studies on game-based learning are abundant globally, there is a dearth of research exploring its application in Ecuador's basic education system, particularly in English language instruction and how effective is in improving the learning of its different aspects. This study aims to bridge this knowledge gap and provide empirical evidence on the viability of using Minecraft as an educational tool and its adaptability to the curriculum.

Additionally, the potential benefits of this research for the educational sector in Ecuador are multifaceted. By exploring innovative teaching methodologies, this study could contribute to enhancing student engagement and improving vocabulary retention rates. Moreover, it may help shift perceptions about the educational value of video games among educators and policymakers, potentially leading to more technology-integrated curricula.

However, there are limitations to this study, including accessibility and affordability issues associated with Minecraft licenses, which may hinder widespread implementation in diverse educational contexts. Additionally, the study's scope is limited to specific educational settings and age groups, which may affect the generalizability of the findings.

4. Theoretical Framework

4.1. Minecraft.

4.1.1. Game-based learning

Diverse studies suggest that videogames are useful tools in the task of learning a new language, due to most of the current popular videogames being in a different idiom from the players' mother tongue usually English, there is a necessity to learn to play, also, videogames have instruction, guides, tutorials with didactic interactions for online players to learn, additionally, online multiplayer communication help students to practice with other speakers around the world, moreover, it is useful to learn words from context and also learn new slangs, acronyms and some new meanings of words (e.g. lol, camping, bait), the speaking in the game is fast so, learners must be thinking fast responses and there is this need of use abbreviation of words. For that reason, researchers are more interested in how to use video games to learn vocabulary (Bytheway, 2015)

Additionally, some researchers highlight that video games due to the influence that they have in youth life, have a big impact on language acquisition, vocabulary, and pronunciation are the most helpful areas, also videogames are highly rewarding time and create a comfortable and stimulating learning environment because of their interesting dialogues and storylines. Finally, video game language structures are more sophisticated than the structures taught in schools. They can help students acquire knowledge well with the help of images included in the games as puzzles and cues elicit students to know what is going on in the game and learn through the process of understanding it (Winaldo & Oktaviani, 2022).

4.1.2. Minecraft definition

According to BitDegree, n.d. Minecraft is a 3D video game based on breaking and creating various blocks to survive and build. It was first released in 2011 and became popular in 2019 thanks to famous YouTubers. Also, Minecraft has two standard game modes, the creative mode, and the survival mode (Per Landin, 2023), in the creative mode, your character is immortal and can fly and destroy the blocks instantly, this game mode is for those who want to explore their creativity just by creating things with blocks. On the other hand, the survival mode is about exploring, crafting, fighting against monsters, and gaining experience points. (Per Landin, 2023) Additionally, Minecraft has unique content created by different players from the Minecraft community such as minigames, adventure maps, mash-up packs, and much more (Per Landin, 2023).

For that reason, Minecraft is a game where any kind of player can have fun, like a peaceful gamer who wants only to chill and explore creativity or those players who want some exciting adventure (Schrier et al., 2023). Furthermore, Minecraft is a virtual world that relies on its players' creativity and problem-solving skills; thus, it's a virtual world that elicits from learners the language needed for problem-solving, creativity, and collaboration (Schrier et al., 2023).

4.1.3. Minecraft in Education

Minecraft Education Edition serves as an educational tool centered on gaming, fostering STEM competencies, encouraging creativity, and promoting collaborative problem-solving among students (Stuckey Bron et al., n.d.). This platform enables educators to connect with students on their level, facilitating profound learning experiences across various disciplines. Utilized globally, educators employ Minecraft: Education Edition to deliver lessons, cultivate STEM and social-emotional proficiencies, and ignite project-based learning initiatives. It includes tailored features for educational purposes, such as assessment utilities and classroom multiplayer functionality, fostering teamwork within the immersive gaming setting (Stuckey Bron et al., n.d.).

Minecraft as an educational tool has been in researchers' interest a lot in the current times due to its possible applications to teach math, science, languages, art, and social studies. Some studies highlight how Minecraft can support the development of spatial abilities in science, technology, engineering, and math education or information literacy (Andersen & Rustad, 2022).

Additionally, based on the research conducted by Steinbeiß et al. (2017), it has been highlighted the advantages of using Minecraft gamified learning environments can serve as a source of motivation in both formal and informal learning stages, and the introduction of the teacher as an online facilitator was found to contribute to the achievement of learning goals. Steinbeiß et al. (2017) determined that spatially divided designs in learning environments can enhance formal learning, while the provision of content in designing a learning environment stimulates informal learning. Furthermore, the creation of an online community within Minecraft through specific designs offers possibilities for establishing social connections, and the incorporation of self-regulated learning elements contributes positively to the overall learning outcome.

4.1.4. Minecraft strategies

According to Ekaputra et al. (2013), the main feature of Minecraft is that players can create, destroy, collect, and place almost every object in the game, this crucial feature makes Minecraft a potential tool for being used in the educational field. Also, some features of Minecraft, such as survival mode, creative mode, and adventure mode can help to adapt the different lessons to the different language approaches, taking advantage of that in Minecraft any situation can be simulated to design any kind of activity (Gallagher et al., 2014).

Furthermore, the potential of its sandbox features has been recognized by educators, evident in the launch of Minecraft Education Edition in 2016 and its extensive library of more than 600 publicly accessible lessons, showcasing its worth (Miguel & Monteiro, 2022). Also, the reading comprehension learning journey can be improved through Minecraft, as in Minecraft orders can be given to be replicated into the game (Miguel & Monteiro, 2022).

Additionally, another important Minecraft feature for learning is the creation of "Mods", the term "mod" is identified as a custom-modified package of Minecraft, introducing new ways of using Minecraft for educational purposes (Miguel & Monteiro, 2022)

For that reason, based on the research conducted by (Bar-El & Ringland, 2020), what teachers teach with Minecraft mods for education is related to math, science and technology, and social sciences, to the humanities in a similar range. Also, the same study highlights that teachers work on skills such as creativity, collaboration, critical thinking, project-based learning, communication, citizenship, and character. Besides, teachers can create their worlds with different activities within the world such as including NPCs (Non-Playable Characters) within the world with included dialogues to interact with the students and make their in-game activities to be developed or complete quests (Bar-El & Ringland, 2020).

Also, according to the lesson developed by Cambridge & Minecraft Education. (n.d), two types of activities can help students to learn the different vocabulary aspects, these activity types are:

Letter-based activities: These kinds of activities deal specifically with letters that are dialogue charts with specific instructions inside the game, these letter-based activities include activities such as Combination Lock, which is about moving letter dials to spell a word, Steppingstones; which is about walk across the letters to spell a word, and, Place the blocks; which is about find, dig up, and place letters to complete the words or phrase (Cambridge & Minecraft Education, n.d.). Due to this letter-based activities are focused on the spelling of words

and forming phrases in context, they could help students learn the form and meaning of vocabulary aspects.

Also, according to (Castillo-Cuesta, 2020) using these kinds of digital games like crossword puzzles or matching games which are included in Minecraft, helped students enhance a better performance regarding the grammar and vocabulary aspects.

Dialogue-based activities: These activities are based on dialogues with the characters from the game, the students need to talk with these characters, and the activities are found within the dialogue itself. These activities are about following instructions for example go right or go left, or bring the right object, answering the questions for a short quiz, using an object for example using a watering can to water a plant, and understanding descriptions, for example finding a person or object based on their description. These activities are focused on listening and reading comprehension as well as practicing giving responses in short quizzes with the options provided in the dialogue to respond (Cambridge & Minecraft Education, n.d.). Due to the nature of this kind of activity, it could help the students to practice the use and meaning of words.

Furthermore, Minecraft NPCs can be used in diverse ways to help learners learn English vocabulary, taking as an example in the study conducted by Youngkyun Baek et al. (2022), using these non-playable characters provided the students with significant dialogues that can simulate real-life conversations and activities such as puzzles, fill in the gaps, jumbled words, or alphabet soups, etc. All these activities were focused on specific language skills, and following a story gave the player a highly contextual environment to learn.

Finally, the best way of taking advantage of using the implementation of this kind of activities (i.e. letter-based activities and dialogue-based activities), is by having all the students develop the activities, but it is known that it could be difficult to have all the students in an English lab, so, there are different ways of implementing Minecraft into the classroom, such as having the teacher playing the game and solving the puzzles while using a projector and generating a discussion about the activities or making the students develop the activities and generating dialogue while it is projected in the classroom (Golob Manca, 2022).

5.1.4.1. Game-based lesson planning with Minecraft. The successful development of game-based lesson planning takes the students from the state of "I need to learn for the grade" to "I am having fun exploring my learning" (Zimmer Garret, n.d.). Minecraft has the potential to be a tool for the classroom because it is a game with the potential to make students

volunteer to participate, develop critical thinking, and participate in the classroom, without any forced motivation. Also, Minecraft and its game design engine have the potential to be the platform for game-based design lessons, lessons that even having fun learning can be serious and curricular moldable (Zimmer Garret, n.d.).

Additionally, digital, and online learning are using digital and online games to communicate in various evolving situations, which is essential for developing new skills in reading and writing. (Penny, 2023) Furthermore, a lot of scholars support the idea that digital game literacy practice is based on the complexities of digital gameplay, also known as 'ludology', which requires a thorough understanding of gameplay to comprehend the advanced interactions between player and game (Marcon Nerissa, 2013).

Furthermore, Minecraft education edition staff had created a community where teachers around the world can access different lesson plans that teachers can explore based on their subject area, and each area features individual lessons to be used or collections of lessons based on a particular theme (Kuhn Jeff, 2021). Also, one advantage of this is that the teacher can click on the lesson, and it will directly open in the game, making it easy to handle even for the most novice Minecraft teachers (Kuhn Jeff, 2021).

For instance, the lesson implemented for this research is the one developed by Cambridge, named English Adventures with Cambridge, where the learners can practice English through activities such as letter-based activities (i.e. steppingstones, placing blocks), curiosity bonus activities (i.e. optional puzzles and hidden dialogues), and dialogue-based activities (i.e. follow instructions and answer the questions), these activities are organized within various lesson stages that are the hub world, the book of treasure and the book of snow, every of this lesson stages have different aims such as review previous vocabulary or learn vocabulary in context and skill practice such as matching objects description, following instructions, spelling and listening comprehension (Cambridge, et al., n.d.).

5.1.4.2. Implementation of Minecraft in the classroom. Minecraft education is a very useful tool to implement in our lessons to make a more engaging classroom but is difficult to find effective ways to implement it in the classroom. According to Cambridge & Minecraft Education. (n.d.). The best way of implementing Minecraft into the classroom is to have all the students playing by themselves the pre-designed lessons, but for classrooms that cannot provide every student with a device to interact in Minecraft, there are different alternatives such as projecting the game in the classroom while asking students questions as what to do next? This

approach lets students practice their speaking abilities, pronunciation, and vocabulary, and the teacher also corrects students' stress patterns, grammar, and language.

Additionally, another way of using Minecraft with only one computer available is by projecting the game and leading a discussion with the students, the teacher can personalize different topics in the Minecraft world, if the topic is nature, the teacher can import, create or edit a world with mountains, lakes, rivers, hills and talk about their characteristics, usage, and importance for the humanity, the lesson can be incorporated with questions such as according to the topic, the aim is that the student participates as much as possible despite the fact they are not playing the game itself (Golob Manca, 2022).

5.1.4.3. Minecraft and Vocabulary Learning. In the study conducted by Al-Haqbani. (2022) says that when implementing Minecraft as a tool for vocabulary learning, outperformed those who experienced traditional teaching methods. This outcome is expected, given that many students consider games a regular part of their daily activities. The motivation aspect is particularly noteworthy, the students using Minecraft felt more involved compared to those using conventional methods. Students who used Minecraft expressed enthusiasm, valuing the exposure to it and affirming its positive impact on their cognitive engagement (Al-Haqbani, 2022).

Additionally, according to the research conducted by Sudarmaji I et al. (2021), it could be said that the utilization of Minecraft outperforms the traditional methods due to the results of his investigation, also, the investigation highlights that the use of Minecraft makes the learning process easier, faster, and more enjoyable.

Also, Chien & Chien. (2019) suggests that due to the lack of real speaking activities and interactions that students receive in traditional education, Minecraft is a good alternative for students to practice speaking in a virtual environment with different kids from any part of the world. On the other hand, Minecraft provides learning of technical words from the game that do not function for daily speaking, but it provides enough vocabulary from interacting with other players and watching YouTube videos enough number of words for learning to communicate in English (Chien & Chien, 2019).

Finally, understanding how the gamers use the vocabulary to communicate in Minecraft is important for educators, especially concerning game-based learning with a pedagogical approach. Coyle (2012) cited by Chien & Chien (2019), proposed a language triptych to enhance awareness of three essential types of language crucial for a successful CLIL (Content and

Language Integrated Learning) lesson. This triptych encompasses three language concepts—namely, language of, for, and through learning. Coyle's perspective delineates that language of learning focuses on understanding the subject matter, language for learning involves functional language for executing language tasks, and language through learning is the new language acquired through the learning process.

Language of gaming: It includes the language necessary to complete tasks and play the game and the names of the structures, items, and actions that can be performed in the game, such as crafting, buildings, mining, smelting, and enchanting. (Chien & Chien, 2019).

Language for gaming: This is the language needed for communication during the game to complete tasks and quests and have a better performance during the gameplay, due to all the activities within the game needing collaboration among players, it fosters the development of communicative and problem-solving skills. (Chien & Chien, 2019).

Language through gaming: Minecraft opens the possibility of learning new vocabulary and collocations through exposure to the native community of speakers around the world, thanks to online playing and thanks to the need for communication within the game to complete tasks (Chien & Chien, 2019).

4.2. Vocabulary learning

The term "vocabulary" encompasses various meanings, reflecting the intricate and diverse nature of the English language. It can denote the words known by an individual or a larger community. Additionally, it refers to specialized terms within a particular field, such as the vocabulary of science. The term can also describe a physical object like a book containing alphabetized word definitions. Beyond words, it extends to encompass things like lists of terms or codes, nonverbal symbols like marine alphabet flag signals, and expressive forms in art, such as the vocabulary of dance. The term "vocabulary" encapsulates various meanings and applications in different contexts. (Merriam-Webster, n.d.)

Also, according to the definition of the Cambridge Dictionary (Cambridge, n.d.), vocabulary is all the words known and used by a particular person, and all the words that exist in a particular language or subject. Regarding vocabulary knowledge, Webb (2012) refers to the fact of how well we know a word in terms of how to use it and when to use it, that is why to study different forms of how to improve vocabulary knowledge some concepts are implied, such as the depth of vocabulary, depth of vocabulary refers to a branch of vocabulary knowledge in where is measured how well words are known. Enhancing vocabulary depth

commonly requires acquiring knowledge by encountering and employing words across diverse contexts. This process aids in comprehending the forms, meanings, and applications of words. To fully grasp a word, one must possess information about its spelling, pronunciation, derivations, inflections, various meanings, semantic connections, word pairings, collocations, grammatical functions, and the appropriateness of its usage in different situations.

Also, vocabulary knowledge can be measured by the breadth of vocabulary, the breadth of vocabulary refers to how many words are known, and it is measured through a test of vocabulary size, breadth is commonly assessed by the extent to which learners can connect the structure of language with its intended meaning. Establishing this connection is a crucial stage in vocabulary development, as it enhances the chances of comprehending and utilizing words effectively (Webb, 2012).

4.2.1. Vocabulary Aspects

There are different aspects of how vocabulary is learned depending on what is focused on, for example, when the focus is on listening and reading, receptive knowledge is the kind of knowledge needed, on the other hand, when the focus is knowledge on speaking and writing, productive knowledge is the kind of knowledge needed, however, the kind of knowledge needed should match the kind of learning wanted, in other words, what is learned is what is focused on and learning should be focused on what is wanted. (Stuart Web, 2019)

So, to know a word is necessary to know the three aspects that are form, meaning, and use, these aspects are divided into different points such as form, which is the knowledge of the spoken word, how the word sounds, and how it is pronounced. knowledge about the written form, what the word looks like, and how it is written and spelled? and the word parts, what parts are recognizable in this word? What word parts are needed to express the meaning? For meaning the aspects are: the form and meaning, what meaning does the word signal? What word form can be used to express meaning? The concepts and referents, what is included in the concept? What items can the concept refer to? And associations, what other words does this make us think of? What other words could be used instead of this one? Then there is the use of words with grammatical functions, in what patterns does the word occur? In what patterns must we use this word? Collocations, what words or types of words occur with this one? What words or types of words must we use with this one? Constraints on use, where when, and how often would we expect to meet this word? Where, when, and how often can we use this word? (Stuart Web, 2019). Besides it is important to explore the form, meaning, and use more deeply.

Form.- It refers to the "overt morphological and lexical forms that tell us to grammar structure is constructed and how it is sequenced with other structures in a sentence or text" (Larsen-Freeman, 2001, p. 252, as cited in Yılmaz, 2018) For that reason, the form includes, pronunciation, spelling, and word parts, and for a correct study of this students should know what the word sounds like, looks like, and what recognizable parts are included, such as prefixes, suffixes, and root words (Rebecca Eller-Molitas, 2022). For teaching word parts, some strategies such as daily review, where the teacher sets a list of words that are going to look for in the lectures of the day, will help students understand complicated words, another strategy is to directly teach word parts, and give students strategies for breaking words apart, and another strategy is the generalization that is when a student uses the word parts to figure out the meaning of a word (Carnine et al., 2004).

Meaning.- The meaning is about the meaning of the linguistic structure, and it varies from two different patterns, the lexical or grammatical, being lexical the actual definition provided by the dictionary, and grammatical the meaning that a whole grammatical structure acquires (Yılmaz, 2018). For instance, meaning is the concept that a word or phrase acquires, and for a better understanding, the students should learn the association between concepts, for that reason, students should learn when a word can only be used in a certain context, what other words are related, and what words or tense express intended meaning (Rebecca Eller-Molitas, 2022). For a better learning of meaning aspects, it is advisable to use total physical response, to help understand students understand the meaning and word associations of new words, also, the teacher could use images or flashcards and by using new words in making sentences (Kuehn Paul Richard, 2024).

Use. - The definition by Larsen-Freeman, (2001), as cited in, Yılmaz, (2018), tells us that the use refers to pragmatics, as all aspects of meaning do not deal with semantics, those relations between language and context that are coded in the structure of a language, understanding context as the social context formed by interlocutors, time and place or to the presuppositions that the ones involved has. For instance, to master use, students should know when to use a word outside the classroom, in the real world, and the patterns needed. (Rebecca Eller-Molitas, 2022). To teach vocabulary use, it is important the expose of the different words in different contexts, also, students could learn extensive vocabulary by exposure of rich oral-language experiences at home or at school (Diamond & Gutlohn, 2009).

4.2.2. Vocabulary learning strategies.

Different vocabulary learning strategies may affect different aspects of vocabulary learning as many learning strategies could be more effective on the learning of depth of vocabulary while other learning strategies could be more useful to learn breadth of vocabulary, strategies emphasizing the acquisition of word forms and their associated meanings play a crucial role in predicting both the breadth and depth of vocabulary knowledge (ZHANG & LU, 2015).

Additionally, some studies suggest that requiring students to have a journal of the strategies they use when they want to study new vocabulary is also useful for them to learn, in the same study, some of the strategies chosen by the students were cognitive strategies such as verbal repetition, placing new words in different contexts, written repetitions and translating, also metacognitive strategies such as: testing oneself, continuing to study a word over time, setting goals and objectives, and Mnemonic strategies such as: studying the word with a pictorial representation, sound association, morphological associations, connecting the word with synonyms and antonyms, semantic maps, grouping words. Finally, discovery strategies such as: using a dictionary, inferring meaning from context, and asking for clarification from the teacher, are the strategies used by some students and the most popular are the cognitive strategies, these findings still being consistent in different studies of vocabulary learning strategies, Moreover, the most used metacognitive strategy is written repetition (Byon, 2012)

Talking about strategies to learn the different aspects of vocabulary such as form, meaning, and use, different authors such as (Pan et al., 2021) tell us that currently the traditional strategies to teach the form scope of vocabulary focused on the spelling of words, are being obsolete due to the advances of technology and the spawn of different spelling tools such as the auto corrector, the author also mentions the explicit and implicit method to teach spelling, one is based in directly taught, repetition and memorization as the traditional method suggest, the other the implicit method suggests that using reading and writing activities indirectly teach induce learning the correct spelling of words.

Furthermore, form, meaning, and use could be approached as receptive vocabulary skills as Webb (2020), tells us Receptive knowledge represents the ability to recognize the form, meaning, and use of a vocabulary item, whereas productive knowledge enables the learner to use the item in the right form, meaning, and context. In natural language acquisition situations, most words are learned receptively through extensive exposure. Some strategies to teach vocabulary effectively are:

Visual aids and Mnemonics: help to remember concepts by encoding and recalling information through the association of these concepts to familiar things or already known concepts images, or things, also, it helps to build vocabulary by this association of unknown concepts or things with easy-to-remember rhymes or stories or linking it with familiar concepts (Braunsdorf Anna, 2023). This strategy supports the use of Minecraft in the way that it uses every kind of visual aid and creates a significant environment that students can recall when learning new words.

Contextual learning: is a useful way for the learner to retain the meaning of a word and be able to use it in future opportunities, using context clues, the learner can infer new words' meanings and understand the contextual use of the words (Apa Innaci & Sam, 2017). This strategy supports the use of Minecraft because, with Minecraft is possible to create context-rich environments with different context clues to solve activities, having a rich context environment to learn.

4.3. Previous Studies

Using Minecraft for educational purposes has been calling for the focus of researchers' attention for recent years in different subject areas such as mathematics, science history, and language study. This study has the aim of verifying its effectiveness in vocabulary learning. For instance, some previous studies related to the use of Minecraft for vocabulary learning were collected.

The first study is the one by Steinbeiß, Gregor-Jan Hermann which title is Minecraft as a learning and teaching tool designing integrated game experiences for formal and informal learning activities, developed with 120 students from two secondary schools in Finland, one public and one private. The students were aged between 12 and 15 and were in grades 7, 8, and 9. Students used Minecraft as a gamification tool to create and evaluate project-based learning activities in various subjects. The main objective of this research was to use Minecraft as a learning and teaching tool. Its findings show that learning with Minecraft benefits both formal and informal student learning experiences. The document finds that gamified learning environments in Minecraft enhance motivation, participation, collaboration, the creation of authentic activities, and the achievement of learning outcomes. The document also reveals some limitations and challenges, such as a lack of time, resources, and training, adapting to new learning environments, and the validity and reliability of the collected data.

Another research conducted by Imam Sudarmaji titled The Effect of Minecraft Video Game on Students' English Vocabulary Mastery, developed with Fifth-Grade Elementary Students: The participants consisted of 63 fifth-grade elementary students who were divided into an experimental group (n=31) and a control group (n=32). These students used Minecraft as a gamification tool to create and evaluate English vocabulary learning activities. The study results highlighted that the experimental group, which used Minecraft as a learning medium, had a higher mean score, higher minimum criteria mastery achievement, and higher gain score than the control group, which used the conventional method. The researchers also observed that the experimental group showed better response, enthusiasm, and participation behavior than the control group. The researchers concluded that Minecraft had a positive and significant effect on students' vocabulary mastery and perceptions. They also suggested some limitations and implications of their study.

The next study conducted by Eka Bilanti, Endang Susilawati, Luwandi Suhartono, Urai Salam, and Yanti Sri Rezeki, titled Developing a Minecraft Adventure Map to Support Eleventh-Grade Senior High School Students' Vocabulary Learning, developed with English teachers of eleventh grade. Highlights that the Minecraft adventure map proved to be an effective tool for supporting eleventh-grade students' vocabulary learning. The internal evaluations with English teachers indicated the appropriateness of the content, language, and presentation of the product. The students' responses towards the product were positive, highlighting its potential as a supplementary learning source. The researchers recommend several suggestions for future research; firstly, for teachers interested in using Minecraft for educational purposes, it is advised to familiarize themselves with the student's prior experience with video games, particularly Minecraft. Secondly, further research on the developed product is encouraged, including expert validation to ensure its effectiveness and suitability, and lastly, considering the limitations of the study, such as the restricted research period and technological constraints.

The fourth investigation related to this research is the one by Nghi Nguyen. (2022), titled Minecraft as a Learning Tool for Classroom Activities and Extramural English Learning, this research investigates Minecraft and discusses its affordances for English learning. The author found that Minecraft is a versatile, accessible, and creative game that facilitates the creation of flexible and engaging activities for English learning. Also, the author found that Minecraft can provide visual, interactive, and collaborative environments that support language acquisition and production. The author also has some suggestions for further research to explore the use of

Minecraft in specific linguistic contexts, such as grammar, interaction, or other target languages besides English, and to compare the effects of Minecraft with other games on different ages, groups, and learning outcomes.

Finally, the study conducted by Nur Hafezah Hussein and Nor Hanim Mustafa, titled Using English Minecraft Module to Enhance University Students' Motivation in Learning English, developed with 50 university students, who were learning English 1 at University Malaysia Kelantan (UMK). The authors found that the use of the English Minecraft module enhanced the students' motivation to learn English, as evidenced by their high scores on the attention, relevance, satisfaction, and other skills subscales of the modified questionnaire. The authors also found that there was no significant difference between genders in their motivation to learn English, suggesting that the game was equally appealing and beneficial for both male and female students. The authors suggested some possible directions for future research, such as conducting interviews with the students, investigating students' learning styles and personalities, and comparing Minecraft with other games in terms of learning outcomes.

5. Methodology

5.1. Research design

This research employed a mixed-method approach, it means that qualitative and quantitative data was gathered and analyzed within the same study (Shorten & Smith, 2017). Quantitative data is used when the researcher tries to quantify a problem or seek the answer to what or how many aspects of the research question. On the other hand, qualitative data describes qualities or characteristics, and the information appears in narrative form (Malacaster college Library, 2024).

Moreover, this study employed Kurt Lewin's action research model which is a problem-solving approach that involves interaction between researchers and practitioners to identify, analyze, and address real-world issues, it employs a cycling model about planning, acting, observing, and reflecting (Onkar Manoj, 2023).

5.2. Data collection sources and techniques

For the collection of quantitative data, the testing technique was used with its instruments a pre-test (see Annex 1) and a post-test (see Annex 2). Pre-test and post-test according to White (2019), is that a pretest-posttest design is a kind of experiment in which a group is tested/studied before and after the experiment or activity is administered. In this way, it is possible to determine what changes if any have taken place and thereby judge the effect or value of the experiment. For that reason, a pre-test will be applied before using Minecraft to teach vocabulary to see the students' level and the post-test will be used to measure if any improvement arises after the application of the strategy.

Moreover, using a questionnaire, the survey technique was employed for the qualitative data about the perception and influence of the strategy (see annex 3). According to Busayo Longe. (2023), a survey method is a process, tool, or technique that you can use to gather information in research by asking questions to a predefined group of people. Typically, it facilitates the exchange of information between the research participants and the person or organization carrying out the research. A questionnaire serves as a research instrument designed for conducting surveys, featuring a series of targeted questions aimed at comprehending a particular topic from the respondents' perspective. These inquiries in questionnaires can take various forms, including closed-ended, open-ended, short-form, and long-form questions, providing a versatile means of gathering information (Swetha Amaresan, 2023).

Lastly, the observation technique using field notes (see Annex 5) was implemented for this research; field notes are the researcher's documentation of events, conversations, and behaviors observed in the field, and the reflections on it (University of Nottingham, n.d.).

5.3. Data analysis

After applying the pre-test and post-test, a descriptive quantitative analysis was applied to analyze the collected data, the quantitative analysis is implemented to evaluate the quantitative data to make sense of the numerical data (Hotjar, 2023).

As this research contains qualitative data that was obtained from the questionnaire and field notes, a thematic analysis was employed, to analyze qualitative data and identify common themes, topics, patterns, and ideas that come up repeatedly (Caulfield Jack, 2019).

5.4. Research participants

In this research, the participants were 9th-grade superior basic education students from Unidad Educative Particular "Juan Montalvo" whose English corresponds to the A1 level according to "Ministerio de Educación" of Ecuador.

5.5. Timing

The intervention plan lasted 6 weeks, with 2 hours of English classes per week. Additionally, the classes were scheduled for the morning session during the 2023-2024 school year.

5.6. Procedure

This action research followed the action research cycle proposed by Lewin (1946) this research model is a cyclical, iterative approach to research involving planning, acting, observing, and reflecting.

- Planning: in this step, the researcher should include the plan of action, the plan should include the objectives, research questions and data collection methods and strategies for addressing the problem.
- Action: In this stage the action plan is implemented, making any adjustments during the development of it.
- Observing: the researcher gathers information during the implementation of the action plan to evaluate and monitor its effectiveness.
- Reflection, with the information gathered, the researcher shares it with stakeholders and uses it to improve the strategies and interventions.

Additionally, for the implementation of the intervention proposal, the 4A model will be applied to the lesson plans which focuses on four components, activate, acquire, apply, and asses.

5.7. Intervention Proposal

Week	Topic	Objective	Resources	Intervention
1	Introduction	- To introduce the teacher, presentation of the students, and the intervention plan To apply the pre-test.	The teacher and students' participation, projector, internet, pre-test, and informed consent sheets.	- The teacher presents himself and asks the students to present themselves The teacher explains what he wants to do with his projects and the resources to be used (PC, laptop, cellphone, or any device where Minecraft can be run) The teacher explains about how is going to work the game, explain how they are going to join to the Minecraft lesson Pre-test application The teacher gives informed consent sheet which students will have to be signed by their parents.
2	Part 1: The beginning	- To review familiar vocabulary (sports,	Minecraft Computer, cellphones, or any device that	Activate: The teacher introduces briefly what is Minecraft and how they need to work with it.

		nature, jobs, greetings) - To acquire new vocabulary. - To introduce the game, follow the instructions. Language focus: form and meaning with letter-based activities: move the dial to make the correct word.	runs Minecraft, a projector. Minecraft quests and puzzles.	Acquire: The teacher gives a tutorial about how to play Minecraft, how to develop the lesson how it consists of and what is the objective of using the game to learn. Apply: The students will solve a worksheet about this section of the Minecraft map. Asses: The teacher assesses the student's work.
3	The book of treasure (Part 1)	- To practice familiar words To acquire new vocabulary in context. Language focus: meaning and use with dialogue-based activities: talk to the librarian and complete the tasks she asks.	Minecraft Computer, cellphones, or any device that runs Minecraft, a projector.	Activate: The teacher activates the prior knowledge by a lead-in activity. Acquire: The teacher introduces the gameplay of this book and introduces some new vocabulary. Apply: The students will solve a worksheet about this section of the Minecraft map. Asses: The teacher asses the students' work.
4	The book of treasure (Part 2)	- To practice familiar words (adjectives, adverbs of frequency, verbs) - To learn new vocabulary in context. Language focus: meaning and use with letter-based activities: find the letters to complete the words from the room.	Minecraft Computer, cellphones, or any device that runs Minecraft, a projector.	Activate: The teacher activates the prior knowledge by a lead-in activity. Acquire: The teacher introduces the gameplay of this book and introduces some new vocabulary. Apply: The students will solve a worksheet about this section of the Minecraft map. Asses: The teacher asses the students' work.
5	The book of snow (Part 1)	- To consolidate	Minecraft	Activate: The teacher introduces some of the

		the vocabulary in written and spoken forms. To practice understanding descriptions of people and places. Language focus: meaning and use with dialogue-based activities: talk to the villagers and complete their tasks.	Computer, cellphones, or any device that runs Minecraft, a projector.	characters and topics that are going to be covered in this part of the lesson. Acquire: The teacher starts the gameplay to help understand what the students need to do within the game. Apply: The students will solve a worksheet about this section of the Minecraft map. Asses: The teacher asses the students' work.
6	The book of snow (Part 2)	- To consolidate the vocabulary in written and spoken forms To practice understanding descriptions of people and places. Language focus: meaning and use with letter-based activities: complete the tasks about finding letters to form the correct words.	Minecraft Computer, cellphones, or any device that runs Minecraft, a projector.	Activate: The teacher introduces briefly what is Minecraft and how they need to work with it. Acquire: The teacher gives a tutorial about how to play Minecraft, how to develop the lesson how it consists of and what is the objective of using the game to learn. Apply: The students will solve a worksheet about this section of the Minecraft map. Asses: The teacher asses the students' work.
7	Return to the Librarian (Part 1)	- To listen and complete simple instructions To speak about things the students have or haven't got To review previous vocabulary. Language focus: form and meaning	Minecraft Computer, cellphones, or any device that runs Minecraft, a projector.	Activate: The teacher makes the lead-in activity. Acquire: The teacher makes the gameplay about this part of the lesson and introduces the concepts that are going to be covered. Apply: The students solve the worksheet about this part of the lesson.

		activit pirate	lialogue-based ies: talk to the captain and lete his tasks.		Asses: The teacher asses the students' work.
8	Finalization of the intervention plan	-	To apply the post-test. To apply the questionnaire.	Post-test and questionnaire.	The teacher will apply the questionnaire and post-test. The teacher thanks the students and the institution's authorities for the opportunity to work with them also, the teacher says goodbye to the students.

6. Results

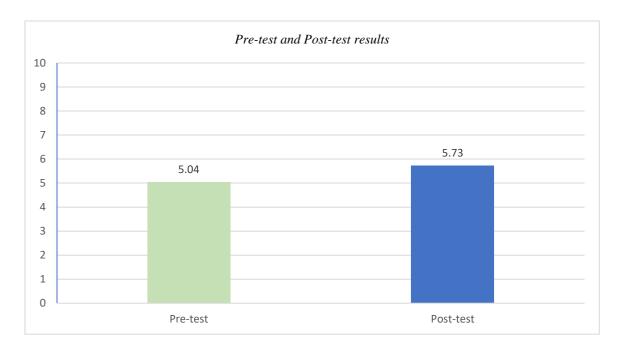
This section presents the research findings on the effectiveness of using Minecraft to learn vocabulary. The findings are organized according to the study's specific objectives. In addition, this section includes data collected through pre-test and post-test, questionnaire, and field notes. This information, analyzed using descriptive and thematic examination, is displayed in tables and figures, accompanied by explanations of their significance.

6.1. Pre-test and Post-test results

Objective 1: To verify the effectiveness of the Minecraft didactic resources to enhance the form, meaning, and use aspects of the English language vocabulary.

Sub-question 1: What is the effectiveness of using Minecraft features to enhance the form, meaning, and use aspects of the English vocabulary?





This figure compares the results of the pre-test and post-test, showing a small increase in the average score from 5.04 to 5.74, a difference of 0.70 points. Although there is a slight improvement, it is not significant. The variation in scores suggests that Minecraft may be more beneficial for some students than others, possibly due to differing levels of interest in video games among the students.

Table 1

Aspects of vocabulary					
	Meaning	Form	Use		
Pre-test	1.9	1.8	1.4		
Post-test	2.2	2.3	1.4		
Difference	0.3	0.5	0.0		

Figure 2

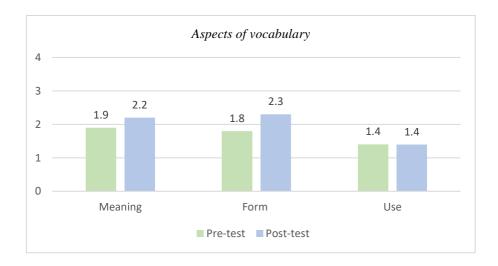


Figure 2 shows the scores in every aspect of vocabulary. In the 'meaning' aspect, students show a moderate increase in their scores, being an average pre-test score of 1.9, while the post-test score increased to 2.2, resulting in a positive difference of 0.3 points. This suggests that students have gained a better understanding of the meanings of vocabulary words after the intervention with Minecraft.

The 'form' aspect exhibited the most significant improvement. Students' average pretest score was 1.8, which increased to 2.3 in the post-test. This change of 0.5 points indicates a notable enhancement in students' knowledge of the structure and form of vocabulary words. These results imply that Minecraft is particularly effective in teaching the form of words, possibly due to the interaction with NPCs, and the different activities such as puzzles, and looking for letters that some Minecraft lessons had.

In contrast, the 'use' aspect did not show any improvement, because the average score remained the same at 1.4 in the pre and post-test. This result suggests that while students may have improved their understanding of meanings and forms, their ability to use the vocabulary words appropriately in context needed more focus during the lesson. This aligns with the

observations made by the researcher, who noted that various factors such as time constraints and other issues impacted the integration of vocabulary use in the Minecraft lessons. Consequently, this aspect was not fully addressed.

Overall, the data indicates that Minecraft is an emerging tool for learning specific vocabulary needs, particularly in the aspects of meaning, form, and use. However, more research is needed to fully understand and optimize its effectiveness in this area.

Table 2

	C	omparis	on of the result	s with 1	the grading	scale		
	Beginner		Intermediate		Proficient		Expert	
	(0-3)		(3,1-6)		(6,1-8,0)		(8,1-10)	
	f	%	f	%	f	%	f	%
Pre-test	3	25%	5	42%	2	17%	2	17%
Post-test	1	8%	7	58%	3	25%	1	8%

Figure 3

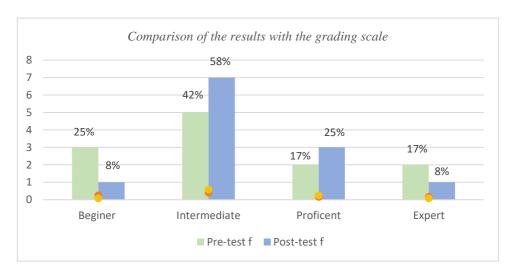


Figure 3 shows the contrast of the results of the pre and post-test, by comparing them across different proficiency levels (Beginner, Intermediate, Proficient, and Expert), based on a defined grading scale created by the researcher to identify students' improvement after using Minecraft, in this sense. In the pre-test, 25% of the students were classified as Beginners, indicating limited recognition of basic meanings, frequent incorrect or inappropriate attempts to use vocabulary, and frequent spelling errors. In the post-test, this percentage decreased significantly to 8%, suggesting that many students initially at the Beginner level had improved and advanced to higher proficiency levels.

The Intermediate category, which included 42% of students in the pre-test, saw the largest shift in the post-test, increasing to 67%. This suggests that a substantial number of students improved their vocabulary proficiency, showing partial understanding of basic meanings, and moderate ability with occasional errors in usage, and occasional spelling errors.

The Proficiency level remained constant at 17% in both the pre-test and post-test, indicating steady performance among these students. The Expert level, however, saw a slight decrease from 17% in the pre-test to 8% in the post-test, suggesting that while some students improved, the highest level of vocabulary mastery was challenging to maintain or achieve.

This comparative analysis of pre-test and post-test results demonstrates an overall improvement in students' vocabulary proficiency after the intervention. The reduction in the percentage of Beginners and the increase in Intermediates highlight the positive impact of the instructional approach. However, the stable percentage of Proficient students and the slight decrease in Expert students suggest that while progress was made, further efforts are needed to help students achieve higher proficiency levels, particularly in transitioning from Proficient to Expert.

6.2. Questionnaire Results

Objective 2: To analyze students' attitudes regarding the experience of learning vocabulary through Minecraft.

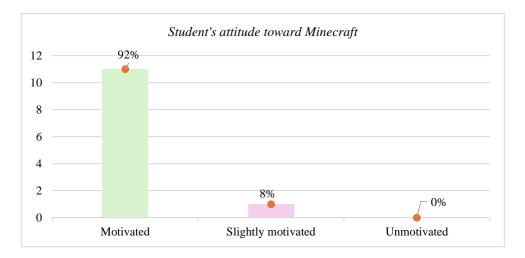
Sub-Question 1: How did you feel about using Minecraft to learn new vocabulary?

 Table 3

 How did you feel about using Minecraft to learn new vocabulary?

Students' attitude toward Minecraft				
Answer	f	%		
Motivated	11	92%		
Slightly motivated	1	8%		
Unmotivated	0	0%		
Total	12	100%		

Figure 4



The results from this question which aimed to measure the students' motivation to learn vocabulary using Minecraft were very positive as an overwhelming majority of students, 92%, reported feeling motivated by the experience. This suggests that Minecraft was effective in engaging students and fostering a positive learning environment for vocabulary acquisition.

Only one student, representing 8% of the total respondents, reported feeling slightly motivated. This indicates that a significant majority did find it engaging to some degree.

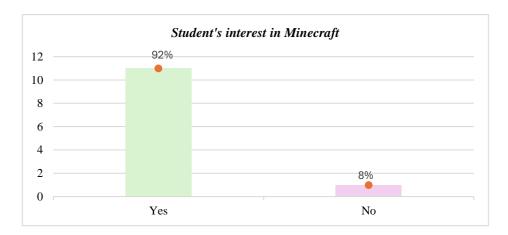
Importantly, none of the students reported feeling unmotivated, which suggests that the use of Minecraft did not harm student motivation. The absence of negative responses further underscores the overall positive reception of Minecraft as a tool for vocabulary learning among the students.

Additionally, these results are corroborated by the researcher's observations during the intervention classes, which were recorded through the field notes, those show students felt motivated and their interest increased in learning vocabulary using Minecraft. Also, some responses to the open answer to this question reported the positiveness of using Minecraft such response like, learn with Minecraft is beautiful, learning with Minecraft is funny and not a boring obligation.

Table 4Did you find it interesting learning new vocabulary through the Minecraft game?

Students' interest in learning with Minecraft							
	f	%					
Yes	11	92%					
No	1	8%					
Total	12	100%					

Figure 5



According to Figure 5, a substantial majority of students found learning new vocabulary through Minecraft to be interesting. Specifically, 92% of the students responded "Yes," demonstrating a high level of engagement and interest in the vocabulary learning process when using the Minecraft game. This positive response suggests that the interactive and immersive nature of Minecraft makes the learning experience more enjoyable and motivating for students. Only 8% of the total respondents, answered "No," indicating that a very small minority did not find the method interesting.

Additionally, the open answers and the field notes about this question support the results, responses such as that Minecraft helps them to learn not as an obligation and the learning happens unconsciously and Minecraft helps me learn in a way that is now boring and while I am having fun is beautiful. This reflects the positivity that students found using Minecraft to learn.

Table 5Do you think that you could implement Minecraft as a study strategy to learn English vocabulary outside the classroom?

Motivation to learn outside the classroom										
	f	%								
Yes	10	83%								
No	2	17%								
Total	12	100%								

Figure 6

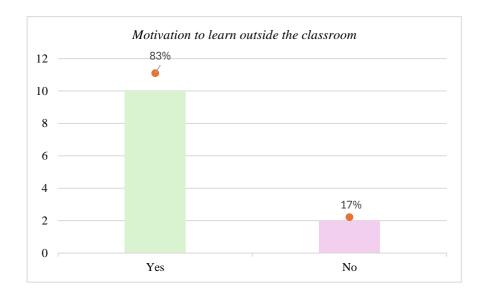


Figure 6 indicates a strong willingness among students to use Minecraft as a study strategy for learning English vocabulary outside the classroom. Specifically, 83% of the students responded "Yes," suggesting that the majority found the game not only effective but also enjoyable and practical enough to consider continuing its use independently.

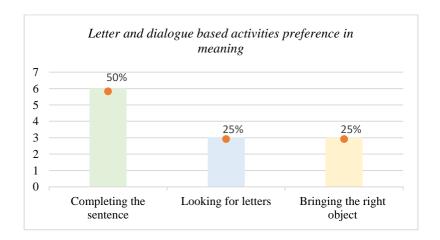
However, 17% of the students responded "No," indicating that a small portion did not see Minecraft as a viable study strategy outside the classroom. This could be due to various reasons such as individual learning preferences, access to the game outside the school environment, or different levels of engagement with the game.

Additionally, the researcher observed that students were very interested in acquiring the game to do by themselves the lessons, also some students responded that showed that they were aware of the importance of learning the language by playing but also using it in the classroom in a correct way, also some students responded that they could use it to learn while playing one hour a day at home.

Table 6Which letter and dialogue-based activity do you think helped you to understand the meaning of words?

Letter and dialogue-based activities preference in meaning								
	f	%						
Completing the sentence	6	50%						
Looking for letters	3	25%						
Bringing the right object	3	25%						
Total	12	100%						

Figure 7



This figure indicates that students had varying preferences regarding the activities that helped them understand the meanings of words (50%) and identified "Completing the sentence" as the most helpful activity. This suggests that many students found contextualizing vocabulary within sentences to be an effective method for learning word meanings.

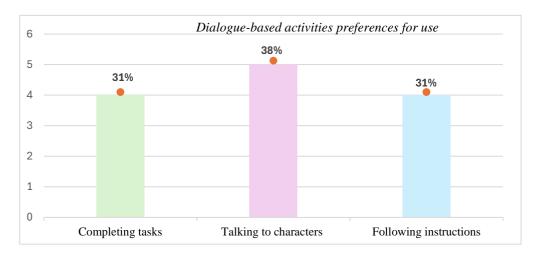
25% of students found "Looking for letters" to be the most helpful activity. This activity likely involved identifying letters around the Minecraft map to form a word, which can enhance recognition and recall of vocabulary.

Another 25% of the students reported that "Bringing the right object" was the activity that helped them the most. This activity likely involved associating words with their corresponding objects, which can help in solidifying the understanding of word meanings through visual connections.

 Which dialogue-based activities helped you to use the words in context?

Dialogue-based activities preferences to use words in context									
	f	%							
Completing tasks	4	31%							
Talking to characters	5	38%							
Following instructions	3	31%							
Total	12	100%							

Figure 8



Based on Figure 8 different dialogue-based activities were helpful for using vocabulary words in context. The activity "Talking to characters" was identified by the largest proportion of students, with 38% indicating it helped them use words in context. This suggests that engaging in dialogues with characters within the game provided meaningful practice in applying vocabulary in conversational settings.

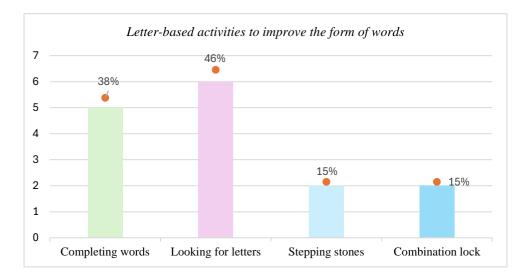
Both "Completing tasks" and "Following instructions" were identified by 31% of the students as helpful activities. These activities likely involved using vocabulary to accomplish specific objectives and adhere to directives within the game, providing practical application of words in varied contexts.

Additionally, the field notes indicate some concordance with the results showing that students' participation in solving these kinds of activities increased and were very effective to implement because the students were very interested in resolving these activities.

Table 8Which letter-based activities helped you to improve the form of words?

Letter-based activities to improve the form of words								
	f	%						
Completing words	4	38%						
Looking for letters	6	46%						
Steppingstones	2	15%						
Combination lock	2	15%						
Total	12	100%						

Figure 9



The figure shows which letter-based activity focusing in the form of the words were more efficient. The activity "Looking for letters" was identified by the largest proportion of students, with 46% indicating it helped them improve their word form. This suggests that activities involving looking for the right block that contains the right letter was useful to improve the form of words.

"Completing words" was the second most favored activity, with 38% of students finding it helpful. This activity likely involved filling in missing letters to complete a task or passing to the next level can reinforce correct spelling and word structure.

Both "Steppingstones" and "Combination lock" were identified by 15% of the students as helpful activities. These activities might have involved interactive and engaging methods to practice spelling and form, such as navigating through letter sequences or solving puzzles that require correct word formation. Also, this affirmation aligns with the field notes of the researcher which identifies an increase in the students' interest in solving this kind of activity.

Table 9

Do you think that the themes of the Minecraft game (E.g.: pirates, snow librarian, etc.) help you to use words in different contexts, and in addition to understanding the meaning and form of new vocabulary?

Thematic elements										
	f	%								
Yes	11	92%								
No	1	8%								
Total	12	100%								

Figure 10

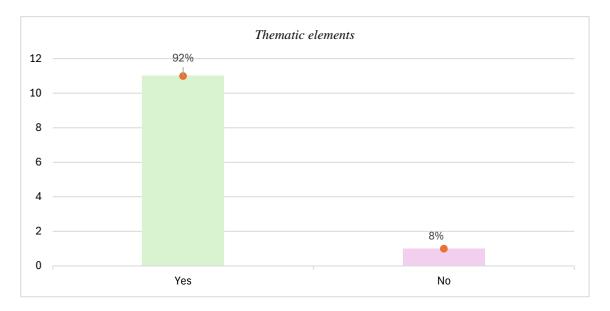


Figure 10 shows the students' perception of the theme used in the game helped in the form, meaning, and use aspects of vocabulary. An overwhelming majority of students, 92%, responded "Yes," indicating that they felt the themes within the game helped them use words in different contexts and aided in understanding the meaning and form of new vocabulary. This suggests that thematic elements in Minecraft provide a rich and engaging context that enhances the learning experience by making vocabulary usage more relevant and memorable.

Only one student, representing 8% of the total respondents, answered "No," suggesting that a very small minority did not find the themes helpful in this regard. This indicates that while most students benefited from the thematic approach, there may be individual differences in how effectively these themes support vocabulary learning.

Additionally, these results are supported by the field notes where the researcher highlights the engagement that the maps produce in the students. Also, the response from the open answer "How?" aligns with these results as some answers highlight that the thematic helps them to learn in a more significant way.

7. Discussion

This section compares the main findings of this research with those of earlier research previously mentioned. Additionally, this section provides crucial information aimed at addressing each research question and describes the limitations and offers some suggestions for carrying out further research.

The main question of this research was, "How can the English vocabulary learning of basic education students at a public institution in Loja be improved through the Minecraft game experience during the academic period 2023-2024?" This was answered by applying the pretest and post-test regarding the Minecraft features that are used in the lessons, and the effectiveness of employing them in the classroom. There was not a significant improvement in the tests. However, more research is needed to prove the effectiveness of the activities because it may be influenced by individual student preferences and the manner of its integration into the curriculum particularly with specific classroom topics. Minecraft is a game that is still developing its educational mode, and there are not enough lessons already proven for every educational need of the curriculum. This is like the challenges encountered by Back et al. (2020) in which he mentions that Minecraft lacks focused learning objectives and an inflexible curriculum. Nevertheless, students find that Minecraft provides a very effective learning environment and motivates students to learn not by obligation but by their own will and have fun in the process as the findings by (Al-Haqbani, 2022) where highlights the positive attitude of the students toward learning vocabulary with Minecraft.

The first sub-question in this study was "What is the effectiveness of using Minecraft features to enhance the form, meaning, and use aspects of the English vocabulary?" The study found that students showed a moderate improvement, with the average score increasing from 1.9 to 2.2, finding that the intervention helped students better understand the meanings of vocabulary words. The most significant improvement was observed in the form aspect, where the average score rose from 1.8 to 2.3, suggesting that Minecraft interactive activities, such as puzzles and letter hunts, were slightly effective in enhancing students' knowledge of word structures. However, the use category did not show any improvement, with the average score remaining at 1.4. The lack of significant improvements in these areas could be attributed to the lack of flexibility to adapt to the classroom topics, which was a problem at the moment of developing proper lessons for these specific aspects. Similar to the findings by Sajben et al. (2020), where they mentioned some curriculum incompatibilities in meeting the curriculum requirements. Also, the limited time and focus on contextual usage in the Minecraft lessons.

These findings suggest that there is more research needed in the lessons for specific purposes in vocabulary learning in terms of meaning, form, use, and alignment with the curriculum. Future research should integrate individual activities to maximize Minecraft's educational individual benefits and align lessons with class topics. The comparison with the grading scale shows many students advanced from Beginner to Intermediate levels, but additional support is needed to help students reach higher proficiency tiers. The stability in the Proficient category and the decline in the Expert category indicate the need for targeted strategies to facilitate the transition from Proficient to Expert. Overall, these results highlight Minecraft's potential as a valuable educational tool for vocabulary learning while underscoring areas for further optimization to enhance its effectiveness across all proficiency levels.

The data revealed that various activities in Minecraft significantly supported students in developing their vocabulary skills, including understanding word meanings, usage, and forms. Contextual learning proved particularly effective, as seen in activities like "completing the sentence," which stood out as a key method for grasping word meanings. Dialogue-based tasks, such as "talking to characters," emphasized the value of interactive practice for applying vocabulary in meaningful ways. Activities focused on letter exploration, like "looking for letters," also demonstrated their effectiveness in improving students' understanding of word forms. Additionally, most students recognized the thematic elements of Minecraft as a valuable tool for learning and using new vocabulary across different contexts. Observational data and student feedback further confirmed that these engaging, thematic activities fostered active participation and enhanced vocabulary acquisition. These findings align with research by Baek et al. (2020), who highlighted Minecraft's adaptability as an educational tool, and Chien & Chien (2019), who emphasized its ability to create an enriching environment for language learning.

The second sub-question in this study was: "What are the students' attitudes towards using Minecraft for learning vocabulary?" The findings of the study throw a generally positive response toward the use of Minecraft for vocabulary learning leading us to find out that Minecraft can improve the vocabulary learning attitude of students with the different types of activities that can be created in the game and the attractiveness that the videogame offers. Additionally, the researcher's observation corroborated these outcomes, aligning with Angamarca Alexander (2022), who observed that students were motivated before and during the Minecraft lessons and willingly participated in the activities. Overall, the evidence strongly supports the effectiveness of Minecraft in fostering a positive learning environment for vocabulary acquisition.

Furthermore, as well as this research offers some valuable insights into its findings, several limitations were encountered. Firstly, this research used a mixed method approach, which facilitated the analysis of both qualitative data from a questionnaire and field notes as quantitative data from the testing technique. Also, the researcher's preparation for using and creating Minecraft lessons was insufficient to provide significant learning outcomes due to unexpected difficulties in developing these lessons within the game and the unexpected time that takes the participants to complete all the activities in the game was unexpected too. Additionally, the lack of economic resources to purchase licenses posed a challenge; in a larger classroom setting, this could become a significant issue if the goal is to allow students to play independently. Furthermore, the internet connection proved to be problematic, though this issue was not so relevant in this case.

Future research should incorporate additional data collection methods, such as in-depth interviews or focus groups, to provide a deeper understanding of students' experiences and attitudes towards using Minecraft for learning vocabulary. This would complement the mixed-method approach and offer more comprehensive insights. Adequate training and preparation for teachers and researchers in using and creating Minecraft lessons are crucial. Developing comprehensive training programs could help overcome unexpected difficulties in lesson development and ensure more effective implementation of the game-based learning strategy. Additionally, ensuring ample time for students to complete all activities within the game is essential. Extending the duration of the intervention could capture more significant learning outcomes and provide a better assessment of Minecraft's effectiveness in enhancing vocabulary.

Addressing the lack of economic resources for purchasing licenses is also vital. Seeking additional funding or exploring alternative solutions, such as applying for educational grants or partnering with organizations that support digital learning initiatives, can ensure that all students have access to the necessary resources. Improving the technological infrastructure to ensure a stable internet connection is crucial for the seamless use of Minecraft in educational settings.

8. Conclusions

The study revealed a modest overall improvement in students' vocabulary scores following the use of Minecraft. This improvement suggests that Minecraft has potential as a supplementary tool for enhancing vocabulary acquisition in the English language classroom.

However, the effectiveness of Minecraft in improving vocabulary learning varied among students. This variability indicates that while Minecraft can contribute to vocabulary development, its impact may be influenced by factors such as individual learning preferences and the specific implementation strategies employed in the classroom. The study's findings suggest that Minecraft can serve as a valuable addition to traditional vocabulary teaching methods, but its use should be carefully tailored to meet the diverse needs of students and to align with classroom requirements.

Therefore, fully realizing Minecraft's potential as a vocabulary learning tool may require refining teaching strategies and integrating the game more comprehensively into the curriculum. Developing targeted lessons within the game that align with specific vocabulary objectives and ensuring consistent classroom implementation could further enhance its effectiveness. By addressing these aspects, Minecraft can become an even more powerful resource for improving English vocabulary learning across diverse student groups.

Students' attitudes towards using Minecraft for vocabulary learning were generally positive. Responses and observations indicated that students were motivated and by their own will in the activities. This suggests that Minecraft can create an attractive and effective learning environment, fostering a positive attitude towards English vocabulary acquisition.

9. Recommendations

Given the observed gap in improving vocabulary usage, it's crucial to create Minecraft lessons that closely align with the curriculum and specific vocabulary learning objectives. This involves designing activities within Minecraft that not only focus on word forms and meanings but also emphasize contextual usage of vocabulary. By doing so, educators can address all aspects of vocabulary learning more effectively, ensuring a more comprehensive approach to language acquisition through the game.

To overcome the challenges encountered in lesson development and implementation, it's essential to provide training for teachers on effectively using and creating lessons within Minecraft. This training should cover technical aspects of the game, pedagogical strategies for integrating Minecraft into vocabulary instruction, and methods for aligning game activities with curriculum requirements. Such comprehensive preparation will enable teachers to maximize the educational potential of Minecraft in their classrooms.

The modest improvements observed suggest that longer and more consistent exposure to Minecraft-based learning could yield better results. Extending the duration of the intervention and increasing the frequency of Minecraft sessions would allow students more time to engage with the vocabulary activities, potentially leading to more significant learning outcomes. This extended engagement could help solidify vocabulary knowledge and improve students' ability to use new words in various contexts.

Given the variability in student outcomes, it's important to design Minecraft activities that cater to different learning preferences and proficiency levels. This could involve creating tiered activities within the game that adapt to individual student progress, allowing for personalized learning experiences. Such an approach can help students advance from Intermediate to higher proficiency levels, addressing the need for strategies to support progression to more advanced vocabulary skills.

To ensure broader and more effective implementation, it's crucial to address the technical challenges encountered. This includes exploring funding options or partnerships to overcome licensing costs and improving the technological infrastructure to ensure stable internet connections. By removing these barriers, more students can consistently engage with Minecraft, potentially leading to better learning outcomes. Addressing these resource constraints will help create a more equitable and accessible learning environment for all students.

10. Timeline

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11. Budget and Financing

For the present research project some resources will be implemented, for that reason a budget for the intervention proposal has been developed.

Budget for the intervention proposal

	1 1
Resources	Cost
Laptop	500\$
Microsoft membership	20\$
Worksheet prints	30\$
Transportation	30\$
Unexpected expenses	60\$
Total	640\$

All the costs related to the research will be fully covered by the researcher carrying out the investigation, including the unexpected expenses: For that reason, it is important to carefully plan all the expenses.

12. Bibliography

- Afzal, N. (2019). A Study on Vocabulary-Learning Problems Encountered by BA English Majors at the University Level of Education. *Arab World English Journal*, *10*(3), 81–98. https://doi.org/10.24093/awej/vol10no3.6
- Al-Haqbani, M. K. (2022). Implementing Minecraft as a Tool to Teach Vocabulary in a Saudi Intermediate School: An Experimental Study. *English Language Teaching*, *16*(1), 77. https://doi.org/10.5539/elt.v16n1p77
- Andersen, R., & Rustad, M. (2022). Using Minecraft as an educational tool for supporting collaboration as a 21st century skill. *Computers and Education Open*, *3*, 100094. https://doi.org/10.1016/j.caeo.2022.100094
- Apa Innaci, D. L., & Sam, D. P. (2017). Using Context Clues As A Vocabulary Learning Strategy: An Experimental Study. Veda's. In *Journal of English Language and Literature-JOELL* (Vol. 4, Issue 3). https://www.researchgate.net/publication/319741383
- Baek, Y., Min, E., & Yun, S. (2020). Mining Educational Implications of Minecraft.

 Computers in the Schools, 37(1), 1–16. https://doi.org/10.1080/07380569.2020.1719802
- Bar-El, D., & Ringland, K. E. (2020, September 15). Crafting Game-Based Learning: An Analysis of Lessons for Minecraft Education Edition. *ACM International Conference Proceeding Series*. https://doi.org/10.1145/3402942.3409788
- BitDegree. (n.d.). *What is Minecraft?* Https://Www.Bitdegree.Org/Crypto/Learn/Crypto-Terms/What-Is-Minecraft.
- Braunsdorf Anna. (2023, June 9). *Improve Your Memory & Vocabulary with Mnemonics*. Elevateapp.
- busayo.longe. (2023, July 27). Survey Methods: Definition, Types, and Examples. FormPlus.
- Byon, A. S. (2012). Vocabulary Learning Strategies of Advanced KFL Learners: Using Vocabulary Journal Assignment. *The Korean Language in America*, *17*, 236–254. http://www.jstor.org/stable/42922367
- Bytheway, J. (2015). A taxonomy of vocabulary learning strategies used in massively multiplayer online role-playing games. *CALICO Journal*, *32*(3), 508–527. https://www.jstor.org/stable/calicojournal.32.3.508

- Cambridge. (n.d.). *Cambridge Dictionary*. Retrieved December 13, 2023, from https://dictionary.cambridge.org/dictionary/english/vocabulary
- Cambridge, & Minecraft Education. (n.d.). *English Adventures with Cambridge Information for educators*. https://www.cambridgeenglish.org/images/149681-yle-flyers-word-list.pdf
- Carnine, D. W., Silbert, J., Kame'enui, E., & Tarver, S. (n.d.). *Teaching Word Parts TermS To Know*.
- Castillo-Cuesta, L. (2020). Using Digital Games for Enhancing EFL Grammar and Vocabulary in Higher Education. *International Journal of Emerging Technologies in Learning*, *15*(20), 116–129. https://doi.org/10.3991/ijet.v15i20.16159
- Caulfield Jack. (2019, September 6). *How to Do Thematic Analysis* | *Step-by-Step Guide & Examples*. Scribbr.
- Chien, M. /, & Chien, Y.-C. (2019). The Language of Massively Multiplayer Online Gamers:

 A Study of Vocabulary in Minecraft Gameplay On the Internet. In *The Electronic Journal for English as a Second* (Vol. 23, Issue 3).

 https://minecraft.gamepedia.com/Minecraft Wiki
- Diamond, L., & Gutlohn, L. (2009). *Teaching Vocabulary Word-Learning Strategies*. http://www.readingrockets.org/article/9943?theme=print
- Ekaputra, G., Lim, C., Kho, I. E., & Eng, K. I. (2013). *Minecraft: A Game as an Education and Scientific Learning Tool*. https://www.researchgate.net/publication/261671901
- Emhemmad Mari Al-Dersi, Z. (n.d.). *The Use of Short-Stories for Developing Vocabulary of EFL Learners*. *1*, 1. www.eltsjournal.org
- Gallagher, C. (Educational technology expert), Asselstine, S., Bloom, D., Elford, S., & York, J. E. (2014). *Minecraft in the classroom: ideas, inspiration, and student projects for teachers*.
- Golob Manca. (2022). Minecraft Education Edition How to use it in the classroom? In Alenka Tratnik (Ed.), *Proceedings of the 27th International IATEFL Slovenia conference teaching 10-13 March 2022, Terme Vivat, Slovenia* (1st ed., pp. 41–45). Slovensko društvo učiteljev angleškega jezika IATEFL Slovenia Vegova ulica 4 1000 Ljubljana.

- Hotjar. (2023, August 22). *The ultimate guide to quantitative data analysis*. Https://Www.Hotjar.Com/Quantitative-Data-Analysis/.
- Kuehn Paul Richard. (2024, January 9). *How to Teach Vocabulary by Word Associations to ESL Learners*. Owlcation.
- Kuhn Jeff. (2021, November 9). Lesson Plans for Educators—Minecraft: Education Edition. Tesol.Org.
- Lewin, K. (1946). Action Research and Minority Problems. *Journal of Social Issues*, *2*(4), 34–46. https://doi.org/10.1111/j.1540-4560.1946.tb02295.x
- Malacaster college Library. (2024, February 2). *Data Module #1: What is Research Data?* Https://Libguides.Macalester.Edu/c.Php?G=527786&p=3608639.
- Marcon Nerissa. (2013). Minecraft as a powerful literacy prompt in the secondary English classroom. *Australian Curriculum: English Lessons and Resources*, 49, 35–36.
- Merriam-Webster. (n.d.). *Vocabulary meaning*. Vocabulary Definition. Retrieved December 13, 2023, from https://www.merriam-webster.com/dictionary/vocabulary
- Miguel, J., & Monteiro, M. (2022). Storytelling and Minecraft in Education: Creating a World and Measuring its Impact on the Learning Process.
- Onkar Manoj. (2023, July 6). Revisiting Kurt Lewin's Action Research Model for Organization Development (OD). Linkedin.
- Pan, S. C., Rickard, T. C., & Bjork, R. A. (2021). Does Spelling Still Matter—and If So, How Should It Be Taught? Perspectives from Contemporary and Historical Research. In *Educational Psychology Review* (Vol. 33, Issue 4, pp. 1523–1552). Springer. https://doi.org/10.1007/s10648-021-09611-y
- Penny. (2023). Research About Game-Based Learning.

 Https://Educommunity.Minecraft.Net/. https://educommunity.minecraft.net/hc/en-us/articles/360047116892-Research-About-Game-Based-Learning
- Per Landin. (2023, June 5). *What is Minecraft?* Https://Www.Minecraft.Net/En-Us/Article/What-Minecraft.

- Rebecca Eller Molitas. (2022, May 20). *Teaching Vocabulary: Form, Meaning, Use*. Https://Www.Proliteracy.Org. Https://Www.Proliteracy.Org/News/Teaching-Vocabulary-Form-Meaning-Use/
- Sajben, J., Klimova, N., & Lovaszova, G. (2020). *Minecraft: education edition as a game-based learning in Slovakia*. 7686–7693. https://doi.org/10.21125/edulearn.2020.1946
- Schrier, K., Eskander, S., Beaudoin, G., Fisher, N., Harden, P., Levine, S., Sarnecky, K., Shaenfield, A., & Alvarico, E. (2023). Creating morality through play. In *Creativity and Morality* (pp. 221–254). Elsevier. https://doi.org/10.1016/B978-0-323-85667-6.00014-1
- Shorten, A., & Smith, J. (2017). Mixed methods research: expanding the evidence base. *Evidence Based Nursing*, 20(3), 74–75. https://doi.org/10.1136/eb-2017-102699
- Steinbein, G. (2017). Minecraft as a Learning and Teaching Tool-Designing integrated Game Experiences for formal and informal Learning Activities [University of Oulu]. https://www.researchgate.net/publication/323187628
- Stuart Web. (2019). *The Routledge Handbook of Vocabulary Studies* (2019 Roulegde, Ed.; Ilustrada).
- Stuckey Bron, Isaacs Steve, Keeler Alice, Coffey Tina, & Hofmeister Merry. (n.d.). *Remote Learning with Minecraft*.
- Swetha Amaresan. (2023, May 15). 28 Questionnaire Examples, Questions, & Templates to Survey Your Clients. Hubspot.
- University of Nottingham. (n.d.). *Understanding qualitative field work*. Nottingham.Ac.Uk.
- Webb, S. (2012). Depth of Vocabulary Knowledge. In *The Encyclopedia of Applied Linguistics*. Wiley. https://doi.org/10.1002/9781405198431.wbeal1325
- Webb, S. (2020). *The Routledge Handbook of Vocabulary Studies*. www.routledge.com/series/RHIL
- White, A. M. J. (2019). *Information Literacy and Critical Thinking in Higher Education* (pp. 367–381). https://doi.org/10.4018/978-1-5225-7829-1.ch020
- Winaldo, M. D., & Oktaviani, L. (2022). Influence of Videogames on the acquisition of the English Language. *Journal of English Language Teaching and Learning*, *3*(2), 21–26. https://doi.org/10.33365/jeltl.v3i2.1953

- Yılmaz, A. (2018). Form-meaning-use framework in grammar teaching: Research on noun clauses in writing skills. In *Journal of Language and Linguistic Studies* (Vol. 14, Issue 3). www.jlls.org
- Youngkyun Baek, Jeongkyoum Kim, & Sam Eisenberg. (2022). Spudsville_Designing a Minecraft Game for learning teaching English as a Second Language. *Journal of Convergence for Information Technology*, 12.
- Zhang, X., & Lu, X. (2015). The Relationship Between Vocabulary Learning Strategies and Breadth and Depth of Vocabulary Knowledge. *The Modern Language Journal*, 99(4), 740–753. https://doi.org/10.1111/modl.12277
- Zhihong Bai. (2018). An Analysis of English Vocabulary Learning Strategies. *Journal of Language Teaching and Research*.
- Zimmer Garret. (n.d.). Making Learning More Game-Based with Minecraft Education Edition. Minecraft Education.

13. Annexes

Annex 1. Pretest



Vocabulary A1 English level Meaning (4 points) 1) Match the words with their antonyms. (2 Points/0.5 for each item) 1. Shy a. Lazy 2. Nervous b. Quict 3. Noisy c. Outgoing 4. Sporty d. Relaxed 2) Complete the sentences using words from the previous exercise. (2 Points/0.5 for each item) 1. My brother is really He plays his heavy metal music all day. 2. My father is an person. He is very sociable and has many friends. 3. Our new classmate is She doesn't talk to others. Her face goes red when you talk to her. 4. Joe's sister is She doesn't like noisy people and prefers to read in silent places. Use (3 points) 3) Complete the following sentences by filling in the blanks with the appropriate expression from the box. (1.5 points/0.25 for each item) Christmas Halloween Thanksgiving Easter. New year eve's Father's day 1. During, my family and I enjoy a hearty brunch together before heading of for an egg hunt in the garden. It's a joyful holiday filled with laughter and good food. 2 is a time for new beginnings and fresh starts. I like to make resolutions and set goals for the upcoming year during this holiday. 3. On, I love to dress up in elaborate costumes and roam the neighborhood collecting candy with friends. It's the one holiday where I can unleash my creativity.	Stı	ıde	ent's code		
Meaning (4 points) 1) Match the words with their antonyms. (2 Points/0.5 for each item) 1. Shy 2. Nervous 3. Noisy 4. Sporty 4. Sporty 5. Melaxed 2. Complete the sentences using words from the previous exercise. (2 Points/0.5 for each item) 1. My brother is really 2. My father is an person. He is very sociable and has many friends. 3. Our new classmate is She doesn't talk to others. Her face goes red when you talk to her. 4. Joe's sister is She doesn't like noisy people and prefers to read in silent places. Use (3 points) 3) Complete the following sentences by filling in the blanks with the appropriate expression from the box. (1.5 points/0.25 for each item) Christmas Halloween Thanksgiving Easter. New year eve's Father's day 1. During, my family and I enjoy a hearty brunch together before heading or for an egg hunt in the garden. It's a joyful holiday filled with laughter and good food 2 is a time for new beginnings and fresh starts. I like to make resolutions and set goals for the upcoming year during this holiday. 3. On, I love to dress up in elaborate costumes and roam the neighborhood.	Da	te:	:		
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1. Shy a. Lazy 2. Nervous b. Quiet 3. Noisy c. Outgoing 4. Sporty d. Relaxed 2) Complete the sentences using words from the previous exercise. (2 Points/0.5 for each item) 1. My brother is really He plays his heavy metal music all day. 2. My father is an person. He is very sociable and has many friends. 3. Our new classmate is She doesn't talk to others. Her face goes red when you talk to her. 4. Joe's sister is She doesn't like noisy people and prefers to read in silent places. Use (3 points) 3) Complete the following sentences by filling in the blanks with the appropriate expression from the box. (1.5 points/0.25 for each item) Christmas Halloween Thanksgiving Easter. New year eve's Father's day 1. During, my family and I enjoy a hearty brunch together before heading or for an egg hunt in the garden. It's a joyful holiday filled with laughter and good food. 2 is a time for new beginnings and fresh starts. I like to make resolutions and set goals for the upcoming year during this holiday. 3. On, I love to dress up in elaborate costumes and roam the neighborhood.	Me	eani	ning (4 points)		
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3. On, I love to dress up in elaborate costumes and roam the neighborhood		2.			
		2	-		
		3.		_	_

	4.	1s a	time for reflection	on and gratitude	. I always make sure to expres	s my
		appreciation fo	r my loved ones	during this holi	day.	
	5.	Every	, my family gath	ners around the	fireplace to exchange gifts and	d share
			ear. It's our cheris			
	6.	=		-	onoring and appreciating the o	lads in
	٠.		-		ir love, guidance, and sacrifice	
				gratitude for the	ii love, guidance, and sacrifice	20
1		throughout the	•	(1.5.	4 /0 F C	
4)			-	O 1 \ 1	nts/0.5 for each one)	
	1.		desk in my bedro	om after school		
		a) Get up				
		b) Do my hom	nework			
		c) Finish work	ζ			
		d) Go shoppin	ıg			
	2.	I sometimes	at a café on	my way to worl	k.	
		a) Get up				
		b) Have a short	wer			
		c) Have break				
		d) Go running				
	3	,	, I get out of	had		
	٥.	a) Wake up	, 1 get out of	oca.		
		· -				
		b) Have a show				
		c) Have dinne				
		d) Brush my to	eeth			
_		(2 • 4)				
		(3 points)		W. 4. 7		
	Ci	rcle the word w			oints/0.5 for each item)	
	Ci	, - ,	ith the correct s	spelling. (1.5 po	oints/0.5 for each item)	
5)	Ci	rcle the word w			oints/0.5 for each item)	
5)	Ci	rcle the word w			oints/0.5 for each item)	
5)	Ci	rcle the word w			oints/0.5 for each item)	
5) a.	Ci	frend	friend	freind	oints/0.5 for each item)	
5)	Ci	rcle the word w			oints/0.5 for each item)	
5) a.	Ci	frend	friend	freind	oints/0.5 for each item)	
5) a.	Ci	frend	friend	freind	oints/0.5 for each item)	
5) a.	Ci	frend ship	friend shop	freind	oints/0.5 for each item)	
5) a.	Ci	frend	friend	freind	oints/0.5 for each item)	
b.	Ci	frend ship	friend shop	freind	oints/0.5 for each item)	
b.	Ci	frend ship	friend shop	freind	oints/0.5 for each item)	
b.	Ci	frend ship	friend shop	freind	oints/0.5 for each item)	
b.	Ci	frend ship brakefast	shop brakafast	shape breakfast		0.5 for
b.	Ci	ship brakefast	shop brakafast	shape breakfast	oints/0.5 for each item) in each sentence. (1.5 points/	0.5 for
b.	Cl	ship brakefast hoose the correct	shop brakafast	shape breakfast missing word	in each sentence. (1.5 points/	0.5 for
b.	Cl	ship brakefast hoose the correct titem) The	shop brakafast	shape breakfast missing word	in each sentence. (1.5 points/	0.5 for
b.	Cl	ship brakefast hoose the correct titem) The a) Calendar	shop brakafast	shape breakfast missing word	in each sentence. (1.5 points/	0.5 for
b.	Cl ea 1.	ship brakefast hoose the correct hitem) The a) Calendar b) Calender	shop brakafast et spelling of the shows all	shape breakfast missing word the public holi	in each sentence. (1.5 points/days.	0.5 for
b.	Cl ea 1.	ship brakefast hoose the correct item) The a) Calendar b) Calender Have you ever	shop brakafast	shape breakfast missing word the public holi	in each sentence. (1.5 points/days.	0.5 for
b.	Cl ea 1.	ship brakefast hoose the correct hitem) The a) Calendar b) Calender	shop brakafast et spelling of the shows all	shape breakfast missing word the public holi	in each sentence. (1.5 points/days.	0.5 for

3.	She looks	, but I don't know her.

- a) Familiar
- b) Familiar

Thanks for your collaboration



UNIVERSIDAD NACIONAL DE LOJA DEPARTMENT OF PEDAGOGÍA DE LOS IDIOMAS NACIONALES Y EXTRANJEROS DATA COLLECTION INSTRUMENT: POST-TEST

Dear student, answer the following questionnaire with sincerity and honesty. Your answers will be anonymous and confidential. Student's code. Date: Vocabulary A1 English level **Meaning (4 points)** 1) Match the words with their antonyms. (2 points/0.5 for each item) a. Comforting 1. Amazing 2. Funny b. Ordinary 3. Good c. Boring d. Terrible 4. Scary 2) Complete the sentences using words from the previous exercise. (2 points/0.5 for each one) 1. The experience with my brother's heavy metal music was ______, making it unforgettable. 2. In the past, family gatherings were always _____, filled with laughter and joy. 3. Our former classmate turned out to be quite ______, as she rarely interacted with others. 4. The haunted house we visited last Halloween was truly ______, giving us a scary and thrilling adventure. Use (3 points) 3) Complete the following sentences by filling in the blanks with the appropriate colloquial expressions from the box. (1.5 points/0.25 for each one) Have permission Have a taste Get worried Wakes up Take off Find out a) You need to ______ before leaving the house. b) Would you like to _____ of this delicious cake? c) The parents _____ when their child didn't come home on time. d) He _____ early to catch the train. e) You need to your shoes before entering my house.

f) I need to who is my father.

4) (Choose the correct	option for each	gap. (1.5 poi	ints/0.5 for each one)						
	1. Would you	my dog for m	e this weeker	nd?						
	a) Look after									
	b) Lookc) Look up									
	2. Could you	the music wh	ile I'm on the	e phone?						
-	a) Turn around			phone.						
	b) Turn off									
	c) Turn									
3		from the exam be	cause she was	s trying to cheat.						
	a) Kick out									
	b) Kick afterc) Kick in									
For	m (3 points)									
1 01	m (o points)									
5) (Order the words to	make sentences	s. (1.5 points/	0.5 for each item)						
a.	axe	exe	oxo							
				X						
b.	strang	string	strong							
0.	Strains	String	Strong							
	hanny	hanv	hanni							
c.	happy	hapy	happi							
6) (Chaosa tha carract	spolling of the n	niccina word	in each sentence. (1.5 points/0.5 for						
	each item)	spening of the h	mssing word	in each sentence. (1.3 points/0.3 for						
	· · · · · · · · · · · · · · · · · · ·	is name.								
	a) Remember									
	b) Remeber									
4	5. Did the doctor g	ive you some	?							
	a) Medecine									
,	b) Medicine6. Maria's got a rea	ally good	of	humour.						
,	o. Iviaira s got a ica	good		mumout.						

THANKS FOR YOUR COLLABORATION!

a) Senceb) Sense

Annex 3. Questionnaire



UNIVERSIDAD NACIONAL DE LOJA DEPARTMENT OF PEDAGOGÍA DE LOS IDIOMAS NACIONALES Y EXTRANJEROS DATA COLLECTION INSTRUMENT: QUESTIONNAIRE

Dear student, answer the following questionnaire with sincerity and honesty, which results will only help to carry out a research study related to the improvement of vocabulary through the Minecraft video game. Your answers will be anonymous and confidential.

Stude	nt`s code	
Date:		
1.	How did you feel about u	sing Minecraft to learn new vocabulary?
	Motivated	()
	Slightly motivated	()
	Unmotivated	()
	·	
2.		e-based activity do you think helped you to understand
	Completing the sentence	()
	Looking for letters	()
	Bringing the right object	()
3.	Which dialogue-based ac	tivities helped you to use the words in context?
	Completing tasks	()
	Talking to characters	()
	Following instructions	()
4.	Which letter-based activi	ities helped you to improve the form of words?
	Completing words	()
	Looking for letters	()
	Steppingstones	()
	Combination Locks	

5.	Do you think that the themes of the Minecraft game (E.g.: pirates, snow librarian, etc.) help you to use words in different contexts, and in addition to understand the meaning and form of new vocabulary?		
	Yes	()	
	No	()	
6.	Did you fi	nd it interesting learning new vocabulary through the Minecraft game?	
	Yes	()	
	No	()	
	•		
7.	•	ink that you could implement Minecraft as a study strategy to learn cabulary outside the classroom?	
	Yes	()	
	No	()	
	How?		

THANKS FOR YOUR COLLABORATION



UNIVERSIDAD NACIONAL DE LOJA DEPARTMENT OF PEDAGOGÍA DE LOS IDIOMAS NACIONALES Y EXTRANJEROS DATA COLLECTION INSTRUMENT: SCORING GUIDE

PRE-TEST SCORING GUIDE

Nº	Question	Indicator	Score
1	Match the words with their	Meaning	2->0.5 each answer
	antonyms.		1c
			2d
			3b
			4a
2	Complete the sentences	Meaning	2->0.5 each answer
	using words from the		1. Noisy
	previous exercise.		2. Outgoing
			3. Shy
			4. Quiet
3	Complete the following	Use	1.5-> 0.25 each answer
	sentences by filling in the		1. coach potato
	blanks with the appropriate		2. early bird
	colloquial expressions from		3. No way
	the box:		4. Night owl
			5. take care
			6. work out
4	Choose the correct option	Use	1.5->0.5 each answer
	for each gap.		1a
			2c
			3a
5	Circle the correct spelled	Form	1.5 -> (0.5) each answer
	word		1. friend
			2. ship
			3. breakfast
6	Choose the correct spelling	Form	1.5->0.5 each answer
	of the missing word in each		1a
	sentence.		2a
			3a
TOTAL			10 points

POST TEST-SCORING GUIDE

Nº	Question	Indicator	Score
1	Match the words with their	Meaning	2->0.5 each answer
	antonyms.		1b
			2c
			3d
			4a
2	Complete the sentences	Meaning	2->0.5 each answer
	using words from the	_	1. awesome
	previous exercise.		2. funny
	-		3. scary
			4. amazing
3	Complete the following	Use	1.5-> 0.5 each answer
	sentences by filling in the		a. Have permission
	blanks with the appropriate		b. Have a taste
	colloquial expressions from		
	the box.		c. Get worried
			d. Wakes up
			e. Take off
			f. Find out
4	Choose the correct option	Use	1.5->0.5 each answer
-	for each gap.		la
	ioi onon 8nh.		2b
			3a
5	Circle the correct spelled	form	1.5->0.5 each answer
	word		a. axe
			b. string
			c. happy
			···
6	Choose the correct spelling	Form	1.5->0.5 each answer
	of the missing word in each		Remember
	sentence.		Medicine
			Sense
ТОТ	AT		10 noints
TOTAL			10 points

Annex 5. Vocabulary Grading Scale

Rating	Meaning	Use	Form
Beginner (0-	The student does not	Attempts to use but often	Makes frequent
3)	Recognize basic	incorrect or inappropriate	spelling errors
	meanings		
Intermediate	The student understands	Moderate ability;	Occasional
(3.1-6)	partially the basic	occasional errors	spelling errors
	meanings.		
Proficient	The student understands	Effectively integrates the	Rarely makes
(6.1-8)	the meanings with	words with few errors in	spelling errors
	accuracy.	simple sentences.	
Expert (8.1-	The student	Skillfully integrates the	Virtually error-
10)	comprehends an	words in different	free in the
	extensive repertoire of	contexts with precision	spelling of
	terms in different	and sophistication	words
	contexts		

vocabulary with Minecraft?



Researcher:	
Observation #:	
Institution:	
Topic:	Class Observed:
Date:	Number of students:
Class duration:	Students' level:
TOWER AND	DECCRIPTION OF THE CLASS
THEMES Do Minecraft activities raise the student's	DESCRIPTION OF THE CLASS
motivation to learn during the lesson?	
Do the use of completing the sentence,	
looking for letters, and bringing the right	
object activities help students understand	
the words?	
Do the use of completing tasks, talking to	
characters, and following instructions help	
students to use words in context?	
Do the activities about combination locks,	
steppingstones, looking for letters, and	
completing words help students to	
improve the form of words?	
Does the thematic about pirates, snow, or	
the library, help students to use words in	
context and understand the form and	
meaning of new vocabulary?	
Do the students find it interesting to learn	



UNIVERSIDAD NACIONAL DE LOJA DEPARTMENT OF PEDAGOGÍA DE LOS IDIOMAS NACIONALES Y EXTRANJEROS

Researcher: Daniel Calva	
Observation #:1	
Institution: Unidad Educativa Particular ".	Juan Montalvo"
Topic: Holidays	Class Observed: 9 th grade
Date: May 1 st , 2024	Number of students: 14
Class duration: 90 minutes	Students' level: A1

THEMES	DESCRIPTION OF THE CLASS
Do Minecraft activities raise the	Yes, the students seemed very motivated about
student's motivation to learn during the	using Minecraft in the classroom.
lesson?	
Do the use of completing the sentence,	For this lesson, bringing the right object and
looking for letters, and bringing the	looking for letters' activities were implemented
right object activities help students	and they were well received as the students
understand the words?	participated actively in the resolution of that.
Do the use of completing tasks, talking	Yes, the students were interested in the
to characters, and following instructions	characters, they were asking for their names
help students to use words in context?	and identifying them.
Do the activities about combination	Yes, as they were asked to write a glossary
locks, steppingstones, looking for letters,	about the new words they were finding and
and completing words help students to	most of the words were written well.
improve the form of words?	
Does the thematic about pirates, snow,	Yes, as there were some students that ask the
or the library, help students to use	meanings of words and immediately could be
words in context and understand the	represented using the context of the game.
form and meaning of new vocabulary?	
Do the students find it interesting to	Yes, they were actively participating, except
learn vocabulary with Minecraft?	for some students that were in the back because
	the InFocus didn't have enough bright to
	visualize enough from the back.



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Researcher: Daniel Calva	
Observation #:2	
Institution: Unidad Educativa Particular "Juan Montalvo"	
Topic: Holidays Class Observed: 9th grade	
Date: May 23 rd , 2024 Number of students: 14	
Class duration: 90 minutes Students' level: A1	

THEMES	DESCRIPTION OF THE CLASS
Do Minecraft activities raise the	Yes, most of the students were excited to do the
student's motivation to learn during the	Minecraft lesson, some students didn't show
lesson?	interest though.
Do the use of completing the sentence,	For this lesson, these kinds of activities didn't
looking for letters, and bringing the	were implemented.
right object activities help students	
understand the words?	
Do the use of completing tasks, talking	Some of the students lose track of the activity
to characters, and following instructions	for moments and they started to do other things
help students to use words in context?	in the game.
Do the activities about combination	This kind of activity wasn't implemented in the
locks, steppingstones, looking for letters,	lesson.
and completing words help students to	
improve the form of words?	
Does the thematic about pirates, snow,	Yes, it was useful to maintain students' interest
or the library, help students to use	in the game, but even though they were still
words in context and understand the	more interested in doing other activities in the
form and meaning of new vocabulary?	game, those were the ones who had more
	experience playing Minecraft
Do the students find it interesting to	Yes, they were interested but, the ones who
learn vocabulary with Minecraft?	were more experienced in playing this game
	started to bother the other players.



Researcher: Daniel Calva	
Observation #:3	
Institution: Unidad Educativa Particular "Juan Montalvo"	
Topic: Holidays Class Observed: 9th grade	
Date: May 15 th , 2024	Number of students: 14
Class duration: 90 minutes	Students' level: A1

THEMES	DESCRIPTION OF THE CLASS
THEMES	DESCRIPTION OF THE CLASS
Do Minecraft activities raise the	Yes, the students seemed very motivated, this
student's motivation to learn during the	motivation didn't last all the lessons though
lesson?	because as the lesson was in groups and only
	one could use the computer to play the others
	started to lose interest in the lesson.
Do the use of completing the sentence,	For this lesson, the completing sentences and
looking for letters, and bringing the	bringing the right object activity were
right object activities help students	implemented and it was very useful to
understand the words?	implement a lesson in the game about the
	modal verb can.
Do the use of completing tasks, talking	The talking-to-characters activities were useful
to characters, and following instructions	in the development of the lesson because it
help students to use words in context?	seemed to be funny and challenging to
	complete the tasks of the characters.
Do the activities about combination	These types of activities weren't implemented
locks, steppingstones, looking for letters,	in this lesson.
and completing words help students to	
improve the form of words?	
Does the thematic about levels and	Yes, because every time they complete a task a
platforms help students to use words in	new scenario like a new level opened, and that
context and understand the form and	seemed to interest the students and they
meaning of new vocabulary?	enjoyed doing that lesson.
Do the students find it interesting to	Yes, as they were very involved in completing
learn vocabulary with Minecraft?	the assigned tasks.



Researcher: Daniel Calva	
Observation #: 4	
Institution: Unidad Educativa Particular "Juan Montalvo"	
Topic: Holidays	Class Observed: 9th grade
Date: May 22 nd , 2024	Number of students: 14
Class duration: 90 minutes	Students' level: A1

	DECOMPTION OF THE CLASS
THEMES	DESCRIPTION OF THE CLASS
Do Minecraft activities raise the	Yes, the students seemed very motivated,
student's motivation to learn during the	although they seemed like the activity was not
lesson?	so funny.
Do the activity about constructions in	Yes, as the teacher showed them some
Minecraft help them to understand the	examples of some holidays activities, so they
words?	learned more using the context of the activities.
Do the use of completing tasks, talking	Yes, these activities were useful because it
to characters, and following instructions	helped to convey the vocabulary already
help students to use words in context?	learned and use it.
Do the activities about combination	These types of activities weren't implemented
locks, steppingstones, looking for letters,	in this lesson.
and completing words help students to	
improve the form of words?	
Does the thematic about national	Yes, because the activity was about describing
holiday representations help students to	their creations, for that reason they were able to
use words in context and understand	use the new vocabulary they learned and create
the form and meaning of new	a paragraph describing the constructions they
vocabulary?	made about holidays.
Do the students find it interesting to	Yes, they seemed interested, there were
learn vocabulary with Minecraft?	sometimes that were observed that some
	students were not involved in the activity
	because only one was able to play during the
	creation of the construction.



Researcher: Daniel Calva	
Observation #: 5	
Institution: Unidad Educativa Particular "Juan Montalvo"	
Topic: Holidays	Class Observed: 9th grade
Date: May 29 th , 2024	Number of students: 14
Class duration: 90 minutes	Students' level: A1

	DUG CDYDWYCYY CY WYYD CY 1 CC
THEMES	DESCRIPTION OF THE CLASS
Do Minecraft activities raise the	Yes, as they were very involved in using
student's motivation to learn during the	Minecraft to construct a visual representation
lesson?	of a holiday celebration.
Do the activity about constructions in	Yes, as they describe their constructions in
Minecraft help them to understand the	worksheets and in the elements from the game
words?	like the chalkboards.
Do the use of completing tasks, talking	The time for completing this lesson wasn't
to characters, and following instructions	enough due to some complications so, it
help students to use words in context?	couldn't be observed enough to affirm that the
	activity helped them to use the words in
	context.
Do the activities about combination	These types of activities weren't implemented
locks, steppingstones, looking for letters,	in this lesson.
and completing words help students to	
improve the form of words?	
Does the themematic about holiday	This couldn't be observed due to the time
celebrations in the Minecraft map help	because the activity was not finished.
students to use words in context and	
understand the form and meaning of	
new vocabulary?	
Do the students find it interesting to	They were very interested in the development
learn vocabulary with Minecraft?	of the activity because first they needed to fill a
	worksheet before start playing and they did it in
	less time than previous times they were asked
	to fill a worksheet.



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DATA COLLECTION INSTRUMENT: FIELD NOTES

Researcher: Daniel Calva	
Observation #: 6	
Institution: Unidad Educativa Particular "Juan Montalvo"	
Topic: Holidays	Class Observed: 9th grade
Date: June 4th, 2024	Number of students: 14
Class duration: 90 minutes	Students' level: A1

THEMES	DESCRIPTION OF THE CLASS
Do Minecraft activities raise the	Yes, as they were very involved in using
student's motivation to learn during the	Minecraft to construct a visual representation
lesson?	of the original holiday
Does the activity about constructions in	This couldn't be observed due to the time
Minecraft help them to understand the	wasn't enough for them to complete their
words?	constructions and have a significant
	representation to talk about.
Do the use of completing tasks, talking	This time the students weren't interested in
to characters, and following instructions	following the instructions because the activity
help students to use words in context?	was already clear because it was similar to the
	previous one.
Do the activities about describing the	This couldn't be visualized due to the lack of
construction of the original holiday help	time.
them with the form of words?	
Does the thematic about holiday	This time some of them were bothered because
celebrations in the Minecraft map help	in this map there were restrictions to move,
students to use words in context and	because in previous lessons they were very
understand the form and meaning of	unfocused so, the map was delimited by the
new vocabulary?	teacher to make them focus only on the task
	they needed to do.
Do the students find it interesting to	Yes, they were interested even though the
learn vocabulary with Minecraft?	limitations imposed by the teacher in the game,
	they still were interested in creating a nice
	construction related to their original holiday,
	some of them achieved it but there was not
	enough time for the explanation.

Annex 7. Lesson plans



Carrera de Pedagogía de los Idlomas Nacionales y Extranjeros

	LESSON PLA	N #1		
Institution Name:	Unidad Educativa Particular "Ju	uan Montalvo"		
Date:	May 1 st , 2024	School Year:	2023-2024	
Type of Instituttion		isco-Misional () Munic	ipal (.)	
Institutional Tutor:	Lic. María Eduarda Ludeña			
Academic Tutor/Thesis Director:	Mgtr. Edgar Mariano Castillo C			
Preservice Teacher:	Daniel Alejandro Calva Carrión			
Schedule/No. of students	9no Wednesday 8:00-9:30 / 13		T	
Time per lesson:	90	Language level:	A1	
Topic:	Holidays			
Contents:	Letter's structure Greetings			
Lesson Objectives:	To identify the English v application of the pre-test.			
Lesson Objectives:	 application of the pre-test. To instruct the students of develop and what is the pur To improve the use of word dialogues. 	how the Minecraft less pose of these lessons.	sons are going	to be
Lesson Objectives: Materials	 application of the pre-test. To instruct the students of develop and what is the pur To improve the use of words 	how the Minecraft less pose of these lessons.	sons are going	to be
	application of the pre-test. To instruct the students of develop and what is the pur To improve the use of words dialogues. Pre-tests Computer Projector Worksheets	how the Minecraft less pose of these lessons. s through identifying gree	sons are going	to be
Materials Warm-up: The Libro object to the classro my assistant" Then object, you tell the students to remem students that an ass Review: an introdu	application of the pre-test. To instruct the students of develop and what is the pure To improve the use of words dialogues. Pre-tests Computer Projector Worksheets Minecraft Starter (warmer, leaderian's Assistant, this warm-up domain and when they do that, they choose another student methank you are my assistant there what question did you ask sistant is someone who help pection to some of the vocabulary	thow the Minecraft less pose of these lessons. In the standard process through identifying great defined and a standard process that the standard process is about asking students and when they bring the standard process and writes it on the standard process that the standard process are asked process.	sons are going etings from Mires to bring any cyou, you are he requested cher elicit the coard, tell the ed politely.	to be
Warm-up: The Librobject to the classor my assistant" Then object, you tell the students to rememstudents that an assistant an assistant and the students that an assistant and the students that an assistant and the students that an assistant are students that an assistant are students that an assistant are students that are students th	application of the pre-test. To instruct the students of develop and what is the pure To improve the use of words dialogues. Pre-tests Computer Projector Worksheets Minecraft Starter (warmer, leaderian's Assistant, this warm-up domain and when they do that, they choose another student methank you are my assistant there what question did you ask sistant is someone who help pection to some of the vocabulary	d-in, review) is about asking students e teacher replies "Thank and when they bring t too" After that, the tea c and writes it on the b ople when they are aske that is going to be used	sons are going etings from Mires to bring any cyou, you are he requested cher elicit the coard, tell the ed politely.	to be necraft Time





<i>–</i>		Time
641	Practice	
•	In this phase is going to be developed the gaming phase is about playing for the first time Minecraft, the first activities are about completing 3 letter-based activities and 2 dialogue-based activities that are in the first chapter of the game. As there is only one computer available, the teacher will project the game and generate a dialogue with the activities.	30 min
18-11	Production	
•	In this phase the students will develop a worksheet where some characters from the gameplay phase are, and the students will have to remember the names of the	15 min
	characters and group the images that are related.	
	Assessment	Time
•	The assessment will be through the development of the worksheet. Also, the teacher will ask questions about what they think about the game,	5 min
	Feedback / Closure	Time
•	The feedback will be about how they were behaving during the development of the lesson and with that the teacher finishes the class.	5 min

Observations	
Mgtr. Edgar Mariano Castillo Cuesta Lic. María Eduarda Ludeña	_
(Academic Tutor/Thesis Tutor) (Institutional tutor)	
- for in	
Daniel Alejandro Calva Carrión	
(Pre-service teacher)	



	LESSON PLAN	#2		
Institution Name:	Unidad Educativa Particular "Jua	n Montalvo"		
Date:	May 23 rd , 2024	School Year:	2023-2024	
Type of Instituttion	Public () Private (x) Fisc	o-Misional () Munic	ipal (.)	
Institutional Tutor:	Lic. María Eduarda Ludeña			
Academic Tutor/Thesis Director:	Mgtr. Edgar Mariano Castillo Cue	esta		
Preservice Teacher:	Daniel Alejandro Calva Carrión			
Schedule/No. of students	9no Wednesday 8:00-9:30 / 13 s	tudents		
Time per lesson:	45	Language level:	A1	
Topic:	Holidays			
Contents:	Vocabulary about holidays			
Lesson Objectives:	To improve the use and mean Minecraft characters dialogues		about holiday	s with
Materials	ComputerProjectorWorksheetMinecraft	-	¥	
	Starter (warmer, lead-in	, review)		Time
https://wordwall.ne	eacher starts the class with t/es/resource/37083403/minecrafe through the warm-up where the	t.		5 min
	Presentation			Time
teacher asks teacher expla The students	plays the game and generates a dia questions such as Where do I go r ins how the students need to answer need to answer the questions with ht or go back.	ow or What do I do not those questions.	ow, also the	20 min
de in	Practice			Time
new words th	y phase is developed, and the stud ey find in the gameplay to compl			professional
the meaning.	(4)			



•	The students will need to create sentences related to the current topic "Holidays" using the vocabulary learned in this class.	15 min
56- I	Assessment	Time
•	The assessment will be through the development of the chart and the worksheet, the students will have to correctly write the sentences in their chart and in the worksheets.	5 min
KE Late I.	Feedback / Closure	Time
•	The feedback will be during the development of the class correcting students' mistakes in the act. Then the teacher finishes the class by asking what their thought about this format of lesson are. Also, as homework teacher gives a worksheet with a puzzle about finding the	

Observations	
	Lic. Maríá Eduarda Ludeña (Institutional tutor) Alejandro Calva Carrión Pre-service teacher)



THE RESIDENCE OF THE PARTY OF T		tranjero
	LESSON PLAN #3	
Institution Name:	Unidad Educativa Particular "Juan Montalvo"	
Date:	May 15 th , 2024 School Year: 2023-2024	
Type of	Wildy 13 , 2024 School Feat: 2023-2024	
Instituttion	Public () Private (x) Fisco-Misional () Municipal (.)	
Institutional	Lic. María Eduarda Ludeña	
Tutor:	Lic. Maria Ladarda Laderia	
Academic	Mgtr. Edgar Mariano Castillo Cuesta	
Tutor/Thesis	THE TENENT THAT THE CUSTING CUSTING	
Director:		
Preservice	Daniel Alejandro Calva Carrión	
Teacher:	- and a same a same a	
Schedule/No. of	9th Wednesday 8:00-9:30 / 13 students	
students	,,	
Time per lesson:	90 Language level: A1	
Topic:	National Holidays	
Contents:	The modal verb can.	
Lesson Objectives:		
Lesson Objectives:	 To evaluate the use of can through a Minecraft lesson to impreform and meaning of these words. 	ove th
	Computer	
Materials	• Projector	
	Worksheets	
	• Minecraft	
		Tim
	Starter (warmer, lead-in, review)	
	eacher starts the class with a game from the website	5
	t/es/resource/57044413/minecraft-questions-2	min
	asks some questions about what they remember about the last time	
we used Minecraft.		
Review: Activation o	f prior knowledge through the lead-in and warm-up.	
	Presentation	Tin
The teacher s	starts the lesson with a review of the uses of can, where the teacher	30
also includes	the negative for of can.	min
	and the second s	
		399
	12.207	- 125
	Practice	Tim
The students	work on the activities from Minecraft where they will need to	20
complete the	tasks of the characters about the different uses of can.	min
illo i i	Production	Tim



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Universidad Nacional de Loja Carrera de Pedagogía de los Idiomas Nacionales y Extranjeros

•	Then the students work on their worksheets where there are activities to complete about the use of can.	30 min
	Assessment	Time
:	The assessment will need to take pictures as a proof of their work in the game. Also, the worksheet will have a qualification.	5 mins
, T.	Feedback / Closure	Time
•	The feedback will be during the development of the class correcting students' mistakes in the act. Then the teacher finishes the class by asking what their thought about this format of lesson arc.	

or issued are.
Observations
Mgtr. Edgar Mariano Castillo Cuesta (Academic/Thesis Tutor) Daniel Alejandro Calva Carrión (Pre-service teacher)



	LESSON PLAN #4			
Institution Name:	Unidad Educativa Particular "Juan M	lontalvo"		
Date:	May 20th-24th	School Year:	2023-2024	
Type of Instituttion Institutional		sional () Municip	al ()	
Tutor:				
Academic Tutor:	Mgtr. Edgar M. Castillo C.			
Preservice Teacher:	Daniel Alejandro Calva Carrión			
Schedule:	9th - Thursday - 10:50-12:20	Practice hours:	2	
Time per lesson:	90	Language level:	A1	
Class / Number of Students:	16			
Topic:	Iconic characters of culture			
Contents:	 Vocabulary to talk about iconic The modal verb can Past simple tense 	characters.		
	• Tast simple tense			
Lesson Objectives:	To describe an iconic character Ecuador using can and past simp To construct something repres character through following institute to practice the use and meaning	ole tense. entative about an laructions in Minecraf	Ecuadorian fa	amous
Lesson Objectives:	To describe an iconic character Ecuador using can and past simp To construct something repres character through following instruct to practice the use and meaning Internet	ole tense. entative about an laructions in Minecraf	Ecuadorian fa	amous
	To describe an iconic character Ecuador using can and past simp To construct something repression character through following instruction practice the use and meaning Internet Minecraft	ole tense. entative about an laructions in Minecraf of words.	Ecuadorian fa	amous
Materials Warm-up: The teac	To describe an iconic character Ecuador using can and past simp To construct something repres character through following instruct to practice the use and meaning Internet Minecraft Starter (warmer, lead-in, representations)	ole tense. entative about an laructions in Minecraf of words. eview) of famous Ecuador	Ecuadorian fa t Education in	amous order Time
Materials Warm-up: The teac	To describe an iconic character Ecuador using can and past simp To construct something repression character through following instruction practice the use and meaning Internet Minecraft	ole tense. entative about an laructions in Minecraf of words. eview) of famous Ecuador	Ecuadorian fa t Education in	amous order Time
Materials Warm-up: The teach Review: The review	To describe an iconic character Ecuador using can and past simp To construct something repres character through following instruct to practice the use and meaning Internet Minecraft Starter (warmer, lead-in, representations)	ole tense. entative about an laructions in Minecraf of words. eview) of famous Ecuador	Ecuadorian fa t Education in	amous order Time
Materials Warm-up: The teach Review: The review discussed.	To describe an iconic character Ecuador using can and past simp To construct something repres character through following instruct to practice the use and meaning Internet Minecraft Starter (warmer, lead-in, representations) Starter starts the class with a bingo game is with the warm-up where the topic and the starts.	entative about an Intructions in Minecrafof words. eview) of famous Ecuadoria about famous chara	Ecuadorian fa t Education in ian people. cters will be	Time 10 mins



	 The students work in their presentations using Minecraft to create a house or a representation related to an iconic character using the NPCs instructions, then they explain why they create that and how it is related with the character. 	30 mins
-	Production	Time
	 The students construct the iconic representations of his famous character, in order to describe it to the class. The students prepare the descriptions of his construction, where they will need to use simple past tense. 	nibs
	Assessment	Time
	 The assessment will be through the progress of their work. Also, their constructions will have a score. Additionally, the students will need to take a picture of the game as a proof of their work. 	5 mins
	Feedback / Closure	Time
	 The teacher ends the class by congratulating students for their work and remembering them to prepare to present their projects next week. The teacher continually will be aware of the students work in order to control the organization of the groups and their progress. 	

organization of the groups and then progress.
Observations
Mgtr. Edgar Mariano Castillo Cuesta (Academic/Thesis Tutor) Daniel Alejandro Calva Carrión (Pre-service teacher)



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Carrera de Pedagogía de los Idiomas Nacionales y Extranjeros

	LESSON	PLAN #6			
Institution Name:	Unidad Educativa Particula	ar "Juan M	ontalvo"		
Date:	June 3 rd -7 th		School Year:	2023-2024	
Type of	Dublic () Drivato (v)	Cisco Mi	sional () Municipa	al ()	
Instituttion Institutional	Public () Private (x) Lic. María Eduarda Ludeña		sional () Municipa	ai ()	
Tutor:	Lie. Maria Ladarda Laderia				
Thesis Director:	Mgtr. Edgar M. Castillo C.				
Preservice Teacher:	Daniel Alejandro Calva Car	rión			
Schedule:	9th – Thursday – 10:50-12	:20			
Time per lesson:	90		Language level:	A1	
Class / Number of Students:	16				
Topic/Contents:	Holidays		8		
Lesson Objectives: Materials	 To enhance the use of original holiday an representation. To create an original holiday. Internet Minecraft 	d represe	enting it using	Minecraft	visual
	English book Charter (warmer	and in ro	ulaw)		Time
	Starter (warmer, l				- 495
gives one word, and a	er starts the class with a w all the students will need to el, family, dinner, and Chris is with the warm-up, whe	say a wo tmas.	rd related, for exam	nple, words	5 mins
	Presentati	on			Time
present simpl	oriefly summarizes the known, adverbs of frequency) g a PowerPoint presentation	about dis-	the modal verb car cussing holidays a	n, past and and holiday	10 mins
	Practice				Time
what they wou celebrate that a For that, they	work on brainstorming about the control of the cont	celebration bration about they will i	on, and what they wout. need to brainstorm	ideas about	20 mins



	Production	
•	The students work on creating their holiday world in Minecraft, where they will need to include an original name for the holiday and some visual constructions about the activities that will be celebrated with that holiday of their authorship.	35 nibs
	Assessment	Time
•	The assessment will be through the progress of their holiday world and the expressions they use to describe the activities that will exist on that holiday; they will need to use adverbs and the modal verb can. Also, the worksheet will be taken into account for the assessment, and they will need to fill it out with the information required.	15 mins
	Feedback / Closure	Time
•	The teacher will provide feedback on the student's progress and correct their descriptions of the holiday activities. To finish the class, the teacher briefly asks the students what their favorite holiday activities are and if they will employ them in Minecraft.	5

Observations	
Signatures:	
gun X	A Change
Mgtr. Edgar Mariano Castillo Cuesta	// Lic. María Eduarda Ludeña
(Academic Tutor/Thesis Director)	(Institutional tutor)
Daniel	Alejandro Calva Carrión
	re-service teacher)



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Carrera de Pedagogía de los Idiomas Nacionales y Extranjeros

Institution Name: Date: Type of Instituttion Institutional Tutor:	Unidad Educativa Particular "Juan I June 10 th -14 th			
Type of Instituttion Institutional		Cahaal Vaari		
Instituttion Institutional		June 10 th -14 th School Year: 2023-2024		
apply and apply and apply and apply and apply apply and	Public () Private (x) Fisco-Misional () Municipal ()			
Tutor:	Lic. María Eduarda Ludeña			
Thesis Director:	Mgtr. Edgar M. Castillo C.			
Preservice Teacher:	Daniel Alejandro Calva Carrión			
Schedule:	9th - Thursday - 10:50-12:20			
Time per lesson:	90	Language level:	A1	
Class / Number of Students:	16			
Topic/Contents:	Holidays			
Contents:	Holidays vocabulary.			
Lesson Objectives: Materials	 To determine the impact of I learning through the application To determine the students' pervocabulary through the question Minecraft Post-test Ouestionnaire 	of the post-test.		
	Starter (warmer, lead-in, re	eview)		Time
https://www.baamb	cher starts the class with a sunozle.com/game/518378, which is a is during the warm-up, during whi	nmer holiday activ bout summer holida	y activities.	5 mins
	Presentation			Time
answer and so based activitie • Also, the tea	explains the questions from the questions meanings of expressions like letter to clarify their meaning. The explains some questions about and use of words, to give them clarify.	the questionnaire,	d dialogue-	25 mins
	Practice	-7 - 19	-	Time
The students of holiday vocable	develop the post-test, where they mu	st answer some ques	tions about	20 mins

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	Production	
The students will work on answering the questionnaire and need to answer the questions related to their perceptions of using Minecraft to learn vocabulary.		20 nibs
	Assessment	Time
•	The teacher asks questions in general about their experience using Minecraft for educational purposes to have a better understanding of the use of Minecraft in the educational field.	15 mins
	Feedback / Closure	Time
•	The teacher ends the class by briefly talking with the students about all the experiences during this month working with them and saying thank you for their time and predisposition to work with him.	5

Observations	
Signatures:	
Mgtr. Edgar Mariano Castillo Cuesta (Academic Tutor/Thesis Director)	LicMaría Eduarda Ludeña (Institutional tutor)
Daniel	l Alejandro Calva Carrión
(P	Pre-service teacher)

Annex 8. Informed consent



REPRESENTANTE

UNIVERSIDAD NACIONAL DE LOJA DEPARTMENT OF PEDAGOGÍA DE LOS IDIOMAS NACIONALES Y EXTRANJEROS

DECLARACIÓN DE CONSENTIMIENTO INFORMADO

Señor/a

PADRE/MADRE DE FAMILIA

De la Unidad Educativa Fiscomisional "Daniel Álvarez Burneo"

Reciban un cordial saludo. Por medio de la presente me permito solicitar su autorización y consentimiento para la participación de su hijo/hija en la realización del proyecto de investigación: "Minecraft ye el aprendizaje de vocabulario en estudiantes de educación básica superior.", el cual tiene como objetivo estrictamente académico, lo cual servirá al estudiante practicante a realizar su trabajo de investigación, como requisito para su titulación. , con cédula de identidad representante de la/el estudiante he leído este documento de consentimiento informado que me ha sido entregado, he comprendido el tema y el objetivo del proyecto que se va a realizar. También he sido informado/a de que mis datos personales y de mi representada/o, serán protegidos y manejados bajo confidencialidad por parte del investigador. En conocimiento pleno me sirvo consentir y autorizar la participación de mi hijo/hija en la realización del proyecto a cargo del estudiante de la Universidad Nacional de Loja con fines investigativos y de aprendizaje. En la ciudad de Loja, del......(días, mes y año) Firma: Nombres y Apellidos: C.I.:

Annex 9. Research matrix

Title:	Minecraft and vocabula year 2023-2024	ry learning among superior basic education students	at an education institu	ution in Loja, school
Problem	Objectives	Theoretical Framework	Methodologi cal design	Techniques/ Instruments
• How to improve the English vocabulary learning of basic education students at a public institution in Loja through the Minecraft game experience, during the academic period 2023-2024?	• To improve the learning of English language vocabulary of basic education students from an educational institution in Loja through the Minecraft game learning experience, during the academic period 2023-2024.	Independent variable 5.1. Minecraft. 5.1.1. Game-based learning 5.1.2. Minecraft definition 5.1.3. Minecraft in Education 5.1.4. Minecraft strategies Dependent Variable 5.2. Vocabulary learning 5.2.1. Vocabulary Aspects 5.2.2. Vocabulary learning strategies.	Research design Action research, mixed method	Testing technique Pre-test Post-test Indicators Vocabulary: Form Use Meaning 4 points for meaning, 3 points for form and 3 points for use

Subproblems	• To verify the	Intervention	Survey Technique
• What is the effectiveness of using Minecraft features to enhance the form, meaning and use aspects of the English vocabulary?	effectiveness of the Minecraft didactic resources to enhance the form, meaning, and use aspects of the English language vocabulary with basic education	Intervention proposal, 6 weeks Lesson plan (ESA model)	Questionnaire Indicators Letter-based activities and dialogue-based activities.
• What are the	students in an educational institution in Loja.		
What are the students' attitudes towards using Minecraft for learning vocabulary?	• To analyze students' attitudes regarding the experience of learning vocabulary through Minecraft in an education institution in Loja.		