UNIVERSIDAD ESTATAL PENÍNSULA DE SANTA ELENA
SCHOOL OF EDUCATION SCIENCES AND FOREIGN LANGUAGES
INSTITUTO DE POSTGRADO
MASTER'S PROGRAM IN PEDAGOGY OF NATIONAL AND FOREIGN LANGUAGES

MODALITY: RESEARCH REPORT

TITLE

The Use of Duolingo to Improve Vocabulary Skills in 8th Graders

GRADUATION THESIS

Prior to obtaining the academic degree of

MAGÍSTER IN PEDAGOGY OF NATIONAL AND

FOREIGN LANGUAGES WITH A MAJOR IN ENGLISH

TEACHING

AUTHOR

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ADVISOR

Lic. Eliana León Abad, MSc.

La Libertad - Ecuador

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ADVISOR'S APPROVAL

In my capacity as Tutor of the **Graduation Thesis** "**The Use of Duolingo to Improve Vocabulary Skills in 8th Graders**", prepared by Ximena del Rosario Herrera Paredes, who specializes in **PEDAGOGY OF NATIONAL AND FOREIGN LANGUAGES WITH A MAJOR IN ENGLISH TEACHING – THIRD COHORT -** at Universidad Estatal Península de Santa Elena, prior to obtaining the **MASTER'S DEGREE IN PEDAGOGY OF NATIONAL AND FOREIGN LANGUAGES WITH A MAJOR IN ENGLISH TEACHING**, I declare that after having oriented, scientifically and technically directed its development and structure, this research work meets and adjusts to academic and scientific standards, which I approve in its entirety.

Sincerely,

_____

Lic. Eliana León Abad, MSc

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STATEMENT OF RESPONSIBILITY

I, Ximena del Rosario Herrera Paredes

HEREBY DECLARE THAT:

The **Graduation Thesis** entitled "The Use of Duolingo to Improve the Vocabulary Skills in 8th Graders", prior to obtaining the Academic Degree of **MASTER IN PEDAGOGY OF NATIONAL AND FOREIGN LANGUAGES WITH A MAJOR IN ENGLISH TEACHING** has been developed based on exhaustive research, respecting the intellectual rights of third parties according to the citations and whose sources are incorporated in the bibliography. Consequently, this work is my total authorship.

By virtue of this declaration, I am responsible for the content, veracity, and scientific scope of the graduation work.

La Libertad, January 11th, 2025.

THE AUTHOR

_____

Lic. Ximena del Rosario Herrera Paredes

DEDICATION

This work is dedicated, first of all, to God, whose constant presence illuminates my days and allows me to delight in his wonders. Thanks to his infinite grace, I have had the strength and privilege to prepare for this master's degree.

I also dedicate this achievement to my mother and sisters, who have been my pillars and unconditional companions. Their words of encouragement have been a beacon of hope in difficult times and a source of joy in good times. Their contagious laughter and overflowing enthusiasm have renewed my energy and encouraged me to continue forward, even in the most complicated situations.

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Thank you to all of you. I hope that this work, done with effort and dedication, makes you proud of me.

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RESUMEN

La investigación tiene como objetivo mejorar el dominio del vocabulario en inglés de los estudiantes de octavo grado de básica superior, de un colegio particular ubicado al norte de Quito. Varios factores impiden que los estudiantes mejoren su vocabulario en inglés; un factor significativo es su edad, específicamente la preadolescencia, durante la cual pueden ocurrir cambios emocionales. Además, los métodos tradicionales de enseñanza y aprendizaje de una segunda lengua pueden contribuir a este problema. Para abordar este problema, el investigador pretende utilizar la aplicación Duolingo, una herramienta moderna en línea que puede facilitar el dominio del vocabulario. El estudio tiene como objetivo explorar la eficacia de la aplicación Duolingo para mejorar el vocabulario entre los estudiantes jóvenes. Este estudio utilizó un diseño preexperimental que incluyó grupos de preprueba y posprueba. La preprueba se administró antes de la intervención para evaluar el dominio del vocabulario inicial de los estudiantes, mientras que la posprueba se administró después de la intervención para evaluar el dominio del vocabulario alcanzado como resultado de la intervención. El estudio se centró en una población de estudiantes de octavo grado, con una muestra seleccionada de octavo grado A, que constaba de 33 estudiantes. Los resultados revelaron una diferencia significativa entre las puntuaciones de la preprueba y la posprueba. La puntuación media de la preprueba fue de 6,05, mientras que la puntuación media de la posprueba fue de 7,70. Esto refleja un incremento del vocabulario del 124% para el Grupo Experimental. Con base en estos resultados, el investigador concluyó que el uso de la aplicación Duolingo mejoró efectivamente el dominio del vocabulario de los estudiantes de octavo grado de esta institución privada.

Palabras clave: Adolescencia, Vocabulario, Aplicación Duolingo.

ABSTRACT

The research aims to improve the English vocabulary proficiency of eighth-grade students at a private school located north of Quito. Several factors hinder students from enhancing their English vocabulary; one significant factor is their age, specifically preadolescence, during which emotional changes can occur. Additionally, the traditional methods of teaching and learning a second language may contribute to this issue. To address this problem, the researcher intends to utilize the Duolingo application, a modern online tool that can facilitate vocabulary mastery. The study aims to explore the effectiveness of the Duolingo application in improving vocabulary among young students. This study used a pre-experimental design that included both pre-test and post-test groups. The pre-test was given before the intervention to evaluate the students' initial vocabulary proficiency. At the same time, the post-test was administered after the intervention to assess vocabulary mastery achieved as a result of the intervention. The study focused on a population of eighth-grade students, with a sample selected from eighth-grade A, which consisted of 33 students. The results revealed a significant difference between the pre-test and the post-test scores. The mean score for the pre-test was 6.05, while the mean score for the post-test was 7.70. This reflects a vocabulary increase of 124% for the Experimental Group. Based on these results, the researcher concluded that the use of the Duolingo application effectively improved the vocabulary mastery of eighth-grade students at this private institution.

Keywords: Adolescence, Vocabulary, Duolingo Application.

TITLE

The Use of Duolingo to Improve Vocabulary Skills in 8th Graders

PROBLEM STATEMENT

According to the World Health Organization (WHO) (2023), adolescence is a transitional period between childhood and adulthood, generally spanning from ages 10 to 19. This stage is characterized by significant physical, psychological, and emotional changes preparing the individual for adulthood. These changes can significantly influence adolescents' academic performance. Hormonal changes during adolescence can affect energy and concentration, and lack of sleep can affect memory and academic performance. Adolescents are in a stage of identity formation, which can lead to stress and distraction. Educational and social pressures can cause stress and anxiety, affecting the ability to concentrate and learn. Additionally, relationships with friends and family can influence emotional state and, therefore, academic performance (Zurki, 2023).

Grades are the classic trigger for both rewards and punishments. However, it is more useful to talk about the consequences instead of punishments. It is important to understand that not everything has to be done to earn something. Rewards are inherent to the act that caused it. Acquiring knowledge, skills, values, and standards of conduct is good. What is sought is to recognize the effort and progress achieved, rejoicing with the students who advance and supporting those other students who do not manage to obtain the expected results despite their efforts.

The educational sector linked to language teaching has evolved due to the needs of the students, especially due to the advances in technology. Learning a new language has changed throughout history, and today, anyone who wants to speak and write in a different language can do so online. Digital platforms and mobile applications allow for personalized teaching adapted to the level and specific objectives of the student.

Gamification, a learning technique that transfers the mechanics of games to the educational-professional field, is being increasingly incorporated into training methodologies due to its playful nature, which facilitates the internalization of knowledge in a more fun way, generating a positive experience for the user. The idea of Gamification is

not to create a game but to use the scoring-reward-objective systems that normally make up these games.

There are many platforms on the market that simulate environments with different mechanics, which can help put these techniques into practice or cover practically any use. Apps that help improve English vocabulary in a fun and effective way are available for students looking to practice in their downtime or for recommendation to other students.

Language learning apps are becoming increasingly popular, but there is little research examining their effectiveness in improving vocabulary skills. Therefore, this research aims to discover the effectiveness of using the Duolingo app to improve vocabulary skills in eighth-grade students.

According to Jaelani and Sutari (2021), individuals need to understand the meaning of vocabulary and learn how to use it in context. However, traditional methods of vocabulary acquisition often require more engagement and adaptation to individual learning needs, as Syafrizal (2018) stated that memorization is important. English vocabulary is commonly considered unexciting, especially for adolescents, and there is a lack of desire throughout learning activities, reducing students' learning interest and productivity. Recognizing this challenge, integrating technology, such as the language-learning app Duolingo, offers a promising avenue to enhance vocabulary acquisition in 8th graders.

FORMULATION OF THE PROBLEM

Vocabulary acquisition is a fundamental aspect of language learning. Therefore, it is necessary to assess the effectiveness and feasibility of using Duolingo as a tool to enhance vocabulary skills in eighth-grade students.

JUSTIFICATION

Adolescents are in the process of forming their identities, which can influence their motivation and approach to studying. Conventional vocabulary teaching methods may not be sufficiently engaging or effective in promoting the desired level of vocabulary acquisition. As a result, it is of interest to assess the effectiveness and feasibility of using Duolingo, a free language-learning app for mobile devices, to improve vocabulary skills in eighth-grade students. It is essential to consider that Duolingo promotes autonomous learning, allowing students to learn at their own pace and convenience, expanding their vocabulary, and cultivating a more positive approach to language learning due to its enjoyable and lively nature.

GENERAL AND SPECIFIC OBJECTIVES

To determine the integration of Duolingo as autonomous work to yield improvements in 8th-grade students' vocabulary acquisition.

1. To determine the current state of vocabulary skills among 8th graders.
2. To analyze the effectiveness of Duolingo in improving vocabulary skills compared to traditional teaching methods.
3. To analyze the benefits and challenges of integrating Duolingo as an autonomous tool for 8th graders.

HYPOTHETICAL APPROACH

English is taught as a second language in Ecuadorian educational institutions because it is crucial for international communication. Teachers face the daily challenge of ensuring that students learn and expand their vocabulary, which is essential for developing important language skills such as speaking, reading, writing, and listening. As a result, this research will be conducted in the eighth grade of a private educational institution located in the northern part of Quito.

The experimental group will use Duolingo to learn vocabulary in this study, while the control group will use traditional vocabulary learning methods. The study will last four weeks. The materials needed are a Duolingo App for the experimental group, traditional

learning materials for the control group, and pre-test and post-test with standardized vocabulary tests to measure vocabulary skills before and after the study period.

Hypothesis

Will the use of Duolingo as an autonomous tool significantly improve the vocabulary skills of eighth-grade students?

Idea to Defend

Vocabulary acquisition is a critical skill for eighth-grade students, as it not only enhances academic performance but also aids in effective communication and comprehension. Duolingo promotes self-directed learning, enabling students to learn at their own pace and convenience. We expect that the experimental group utilizing Duolingo will significantly improve vocabulary skills significantly compared to the control group.

Scientific Questions

How does the integration of Duolingo as autonomous work yield improvements in students' vocabulary acquisition?

1. What is the current state of vocabulary skills among 8th graders?
2. How effective is Duolingo in improving vocabulary skills compared to traditional teaching methods?
3. What are the benefits and challenges of integrating Duolingo as an autonomous tool for 8th graders?

CHAPTER I: THEORETICAL FRAMEWORK

According to Güemes, Ceñal & Hidalgo (2017), children undergo many changes during adolescence. They experience intense emotional shifts, become more interested in exploring new situations, and have a stronger desire for knowledge and experience. These changes can also lead to defensive attitudes when they face challenging outcomes. Adolescents often have mood swings, varying attitudes, and emotional changes. They may feel enthusiastic about achieving their goals and personal milestones at one point but then feel disappointed, dissatisfied, or even experience symptoms of depression When things do not go as expected or when goals are not achieved in the way they were hoped.

In the family environment, adolescents may display ambivalent attitudes and emotions, which means they often have conflicting feelings or attitudes. Marquez and Gaeta (2017). This can be because they feel restricted by their parents' rules, and they may also come to realize that they have yet to be completely independent. Adolescents often desire to transform their current reality and show enthusiasm for leaving ambiguous or monotonous environments. They seek to establish new environments that attract the attention of their peers, striving to be innovative and updated individuals open to constant improvement and transformation. Changes often influence them in technology and science, and they tend to reject childish objects or toys. Their interests and reading preferences may also differ from those of children.

Understanding the stages of cognitive development in adolescents, as described by Marquez and Gaeta (2017), is crucial for enhancing their emotional competencies and supporting their growing individuality as they process information and respond to stimuli. It is essential to provide them with appropriate cognitive stimulation and guidance. This includes engaging them in activities that challenge their thinking and problem-solving skills, as well as guiding them from concrete concepts to more abstract thinking in a continuous manner.

One of the biggest challenges teenagers face is developing their identity. Adolescents need to integrate their achievements and seek recognition to feel accepted and loved for who they are. This sense of acceptance and love is a fundamental aspect of their development.

The study by Carradino and Fogarty (2016) indicated that both positive and/or negative emotions significantly affect how adolescents approach their school tasks. When students

feel positive emotions about a task, such as excitement or interest, it usually results in improved performance. On the other hand, experiencing negative emotions, such as boredom or frustration, can have diverse effects, such as causing disengagement. Boredom may serve as a signal to motivate students to seek out a different task or a more rewarding alternative, ultimately leading to reduced motivation.

López (2016) mentions that emotions significantly impact student learning and performance. However, the relationship between emotions and task execution is not as straightforward as "positive emotions, positive effects; negative emotions, negative effects."

Everyone learns uniquely, developing a learning style based on their educational experiences over time. According to Mehta (2017), this diversity in learning styles is a testament to the individuality of each student's learning journey. For instance, visual learners are adept at forming connections between various ideas and concepts, showcasing the richness of learning styles. The ability to think abstractly is closely linked to the skill of visualization. This suggests that many students understand information better when presented with images, while auditory learners benefit more from verbal explanations. Their personality significantly influences each student's learning style. As a result, some students find learning more manageable than others, and their academic performance largely depends on their preferred learning methods.

As Pulido and Herrera (2017) mentioned, emotions play a significant role in academic success or failure during adolescence. Emotions can influence attention and behaviors, affecting how individuals interact with their environment. Understanding and managing these emotional influences is crucial for educators and parents.

The development of language is closely connected to advancements in technology. Technology can reshape how people work, learn, communicate, and use their time. As time progresses, smartphone technology continues to advance and has become an essential tool for everyone, particularly for students.

Technology has revolutionized the way we learn, and language education is no exception. Interactive language learning apps and platforms can now help students learn. For example, Duolingo offers gamified language learning with interactive exercises and progress tracking. Memrise uses spaced repetition to help learners memorize vocabulary and grammar, and Babbel provides structured courses with audio and video content.

As Dwi A. et al. (2021) mentioned, the use of technology in the learning process is diverse. Technology can help students organize and access materials, facilitate interaction with teachers and parents, and provide flexibility to learn from anywhere. Learning another language is now very easy and necessary, as globalization requires learning more than one language. Therefore, it is essential to increase vocabulary to allow us to interact.

Susanto I. et al. (2020) explain that vocabulary is crucial for learning a foreign language as it helps with communication and language use. A small vocabulary can make communicating effectively in a second language difficult. Building a strong vocabulary is essential for successfully using a second language, and it also helps develop other skills such as listening, reading, writing, and speaking.

"Vocabulary is important because it's the basis of all language. It's the raw building blocks that we can use to express our thoughts and ideas, share information, understand others, and grow personal relationships" (Text Inspector, 2022).

Vocabulary is a big challenge for second language learners because it is open-ended and does not have strict rules. Many students focus on memorizing word lists, but learning vocabulary can be exciting. There are now technological applications that make learning fun.

Based on Edwards (2023), Duolingo is a language learning tool that turns bilingual exploration into a game. It's available as an app and on the Duolingo website, making it easily accessible for students who can download it onto their own devices. This accessibility and the option to create game avatar characters foster a strong sense of ownership for students. These features make Duolingo more immersive and encourage students to continue using it.

According to its slogan, Duolingo is "The fun, effective, and free way to learn a language!" (Duolingo.com). Through brief lessons, users earn points, unlock new units, and develop practical communication skills. Duolingo creates courses that effectively teach reading, writing, understanding, and speaking foreign languages by combining evidence-based teaching methods with engaging content. The platform's features and challenges are designed to be fun and game-like, fostering a consistent learning habit. Additionally, users receive friendly reminders from Duo, the owl mascot. Through a blend of artificial intelligence and language science, lessons adapt to individual performance, ensuring learning occurs at the appropriate level and pace.

Previous research has extensively explored using the Duolingo application to enhance English vocabulary. Aulia, H. et al. (2024) conducted a study investigating Duolingo's impact on vocabulary learning. The research revealed that using the Duolingo application had a significant effect on the process of teaching and learning English. Based on the findings of Istiqamah, N. et al. (2023), the researcher concluded that the use of the Duolingo application improved students' vocabulary mastery in the second grade at SMPIT Bina Insan Parepare. Furthermore, Irawan, A. et al. (2020) assessed the effectiveness of the Duolingo mobile application in English vocabulary learning at SDN02 Ciputat on JI Pemuda No. 7 Ciputat, South Tangerang. Based on these previous findings, the researchers concluded that this study, like previous ones, focuses on the main aspect of the media, which is using the Duolingo application as a tool to enhance students' vocabulary.

Considering the students' age and the physical and psychological changes that teenagers are experiencing and considering that the most effective way to reach them is through technology, challenge, and the desire to win, the researcher is interested in conducting research under the title "Using Duolingo to improve vocabulary skills in 8th-grade students."

CHAPTER II: METHODOLOGICAL FRAMEWORK

As Veliz (2021) mentioned, experimental designs are research methods used to apply or administer a stimulus, intervention, or treatment—hence the term *experimental*. The purpose is to execute an action, referred to as the independent variable, and to observe its effects, known as the dependent variable. Studies using experimental designs are categorized into three types: true experiments, which involve a high degree of control and typically use random assignment to establish causality; quasi-experiments, which work with intact groups that have already been established, meaning random assignment is not utilized; and pure experiments, in which there is the intentional manipulation of the independent variable, a fundamental requirement of experimental research.

This research utilized a quantitative approach with a quasi-experimental design, incorporating both pretest and posttest elements along with a control group to analyze changes before and after the experimental treatment.

The researcher collected mainly quantitative data for this analysis, focusing on eighth-grade students aged 12 to 13 years. This data was gathered during the first academic term of the 2024-2025 school year at a private educational institution located in the northern part of Quito.

For this study, eighth-grade students were selected because of a recurring concern among English teachers at the institution: they often wonder why, upon reaching this level, students have difficulties in learning the language and a decline in their performance despite having been outstanding in previous grades. This situation suggests the need to investigate the underlying causes and develop pedagogical strategies that address these difficulties, intending to improve English teaching in this crucial educational period.

The study sample consisted of eighth-grade students in upper elementary school, divided into two groups: A, with 33 students as the experimental group, and B, with 31 students as the control group. The experimental group used Duolingo, an autonomous application, to improve their English vocabulary, while the control group used a traditional teaching system. This study aims to measure the effectiveness of the Duolingo mobile application in learning English vocabulary compared to the conventional teaching system.

In this study, we examined two groups, as previously mentioned. The experimental group used the Duolingo app for at least fifteen minutes each day over the course of a

month, while the control group continued their learning with traditional methods. Before the experiment began, both groups took a vocabulary test consisting of ten questions covering topics such as sports, professions, clothing, outdoor activities, adjectives, greetings, the universe, and various types of movies and books. At the end of the month, a post-test was administered to both groups, featuring ten questions on the same topics. This was done to evaluate the progress made by the experimental group, which used Duolingo for vocabulary practice, and to compare their results with those of the control group, which relied on conventional learning methods.

CHAPTER III: DISCUSSION AND RESULTS

EXPECTED RESULTS

Both the pre-test and post-test asked the learners to complete a test assessing their proficiency in English vocabulary. While the types of questions remained the same, each test contained different questions. The results from the pre-test and post-test are presented in Table 1.

Table 1

Learners' Scores on the Students Vocabulary Test.

No.	Learners' Initial	Pre-test	Post-test	Learners' Initial	Pre-test	Post-test
	Experimental Group (A)			**Control Group (B)**		
1	A.A.	3.20	6.60	A.C.	5.20	4.25
2	A.G.	2.00	9.80	A.C.M.	8.00	9.00
3	A.J.	6.20	7.40	A.A.	3.80	4.70
4	A.L.	4.00	5.40	A.F.	4.20	7.60
5	B.D.	1.40	3.40	A.M.	6.00	6.80
6	B.D.R.	5.00	7.00	B.J.	8.20	9.20
7	C.E.	3.40	7.00	B.P.	9.60	9.80
8	C.M.	6.80	8.30	B.J.A.	5.20	7.00
9	C.S.	8.80	9.80	C.S.	8.80	9.40
10	C.E.V.	6.60	8.00	C.A.	5.40	7.70
11	C.V.	10.00	10.00	C.I.	7.00	8.60
12	C.J.	0.60	3.10	C.M.	4.00	4.25
13	C.B.	6.40	9.00	I.W.	9.40	9.60
14	G.J.	7.00	8.50	L.J.D.	7.80	8.75
15	G.A.	2.00	5.15	L.J.	6.40	8.80
16	H.A.	8.20	9.40	M.C.	5.00	8.60
17	H.M,	5.40	8.10	M.S.	6.80	7.70
18	I.J.	9.60	10.00	M.B.	2.80	7.40
19	L.D.	5.60	7.70	M.A.	3.20	8.00

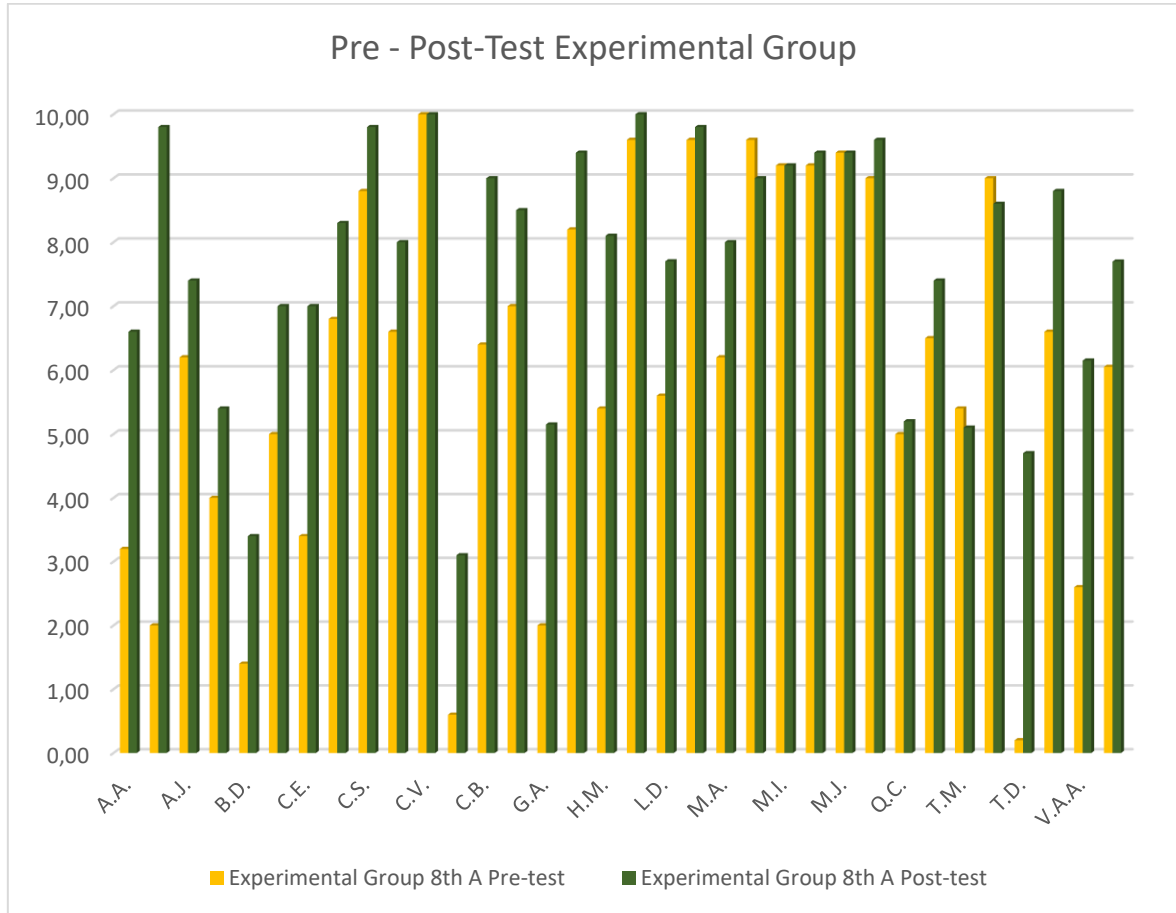|						
20	L.I.	9.60	9.80	M.K.	7.60	8.90
21	M.A.	6.20	8.00	M.C.V.	5.00	8.10
22	M.A.B.	9.60	9.00	N.D.	8.40	7.90
23	M.I.	9.20	9.20	N.D.J.	6.60	6.30
24	M.D.	9.20	9.40	P.M.	8.20	9.80
25	M.J.	9.40	9.40	P.S.	6.00	8.30
26	P.M.	8.60	9.60	R.P.	5.00	6.70
27	Q.C.	5.00	5.20	R.E.	4.60	4.95
28	S.A.	6.50	7.40	S.J.	7.80	7.60
29	T.M.	5.40	5.10	T.S.	7.00	6.15
30	T.L.	9.00	8.60	T.A.	7.40	9.00
31	T.D.	0.20	4.70	V.I.	9.60	9.00
32	V.A.	6.60	8.80			
33	V.A.A.	2.60	6.15			
	AVERAGE	**6.06**	**7.70**		**6.45**	**7.74**

According to the data in the table above, 21 students in the Experimental Group received a grade lower than 7, which represents 63.63% of that group. In contrast, 17 students in the Control Group scored below 7, accounting for 54.84% of their group. A grade of 7 has been set as the minimum passing mark for eighth-grade students in this subject.

Considering these values, 63.63% of the students in the Experimental Group have low knowledge of the vocabulary required at this level. In contrast, this percentage is 54.84% in the Control Group. Students' abilities in the experimental and control classes are not significantly different, as can be inferred.

After conducting the intervention, the data from the post-test was analyzed. In the Experimental Group, nine students received a grade lower than 7, which represents 30.30% of that group. In comparison, the Control Group had eight students with grades below 7, accounting for 25.81% of its members.

Figure 1

Pre-Post Test Experimental Group

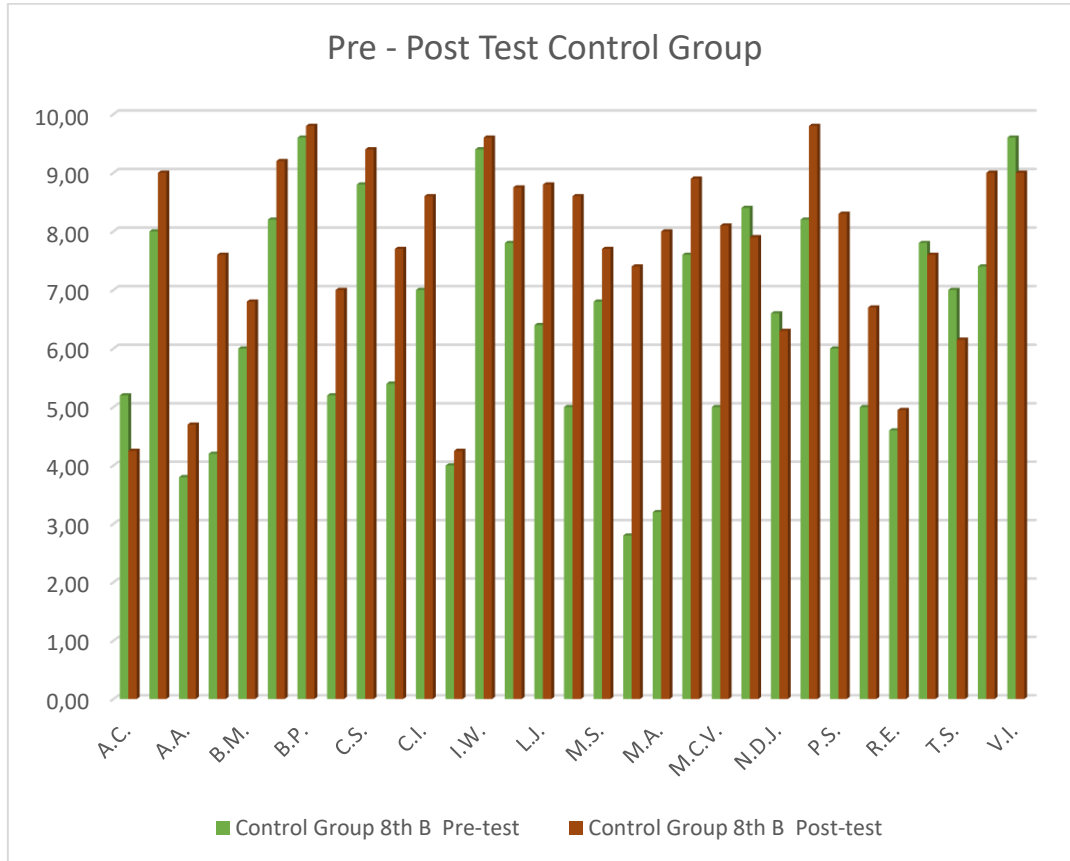**Pre - Post-Test Experimental Group**

Note. This figure illustrates each student's changes in an Experimental Group between the pre-test and post-test.

As illustrated in Figure 1, several students with pre-test grades lower than 7 showed significant improvements in their post-test scores. Although some students did not achieve a score of 7, their notable increases indicate that the use of the Duolingo application had a particularly positive impact on these students, as well as on others. Additionally, it is worth noting that three students, representing 9.09% of the group, experienced a slight decline in their performance from the pre-test to the post-test.

Figure 2

Pre-Post Test Control Group

Note. This figure shows the Pre- and Post-Test scores of the Control Group, indicating that variations have occurred.

As shown in Figure 2, students who scored below seven on the pre-test did not show a significant variation in their post-test results. However, it is worth noting that six students experienced a decrease in their scores, which represents 19.35% of the group. This indicates that while students in this category did improve their vocabulary levels, their progress was not as substantial as that observed in the experimental group.

Table 2

Percentage increase in vocabulary between the two groups

Class	Pre-Test	Post-Test	Average	% Increase
Experimental Group	6.05	7.70	6.87	124%
Control Group	6.45	7.74	7.09	28%

Note. The results are shown as a percentage of growth after comparing the average increases of each group related to the two tests.

The information presented indicates a significant finding. Although the average score between the Pre-Test and Post-Test for the Experimental Group does not reach 7, a growth percentage of 124% suggests that students in this group did indeed enhance their knowledge of English vocabulary, as demonstrated by their Pre-Test scores. The minimum score was 0.20 out of 10, followed by 0.6 out of 10. This highlights that some students in this group had very low or nearly no vocabulary knowledge. However, through their use of the Duolingo application and participation in daily English classes, these students showed noticeable improvement in their vocabulary skills.

In comparison, the Control Group had a 28% increase in performance. However, this group contains a significant number of students who already possess knowledge of English vocabulary. As a result, the improvement seen between the first and second exams was not as substantial as that observed in the Experimental Group.

Based on the data above, the results indicated that using the Duolingo application has a significant effect on students' vocabulary mastery. Specifically, students who were taught using the Duolingo application performed better than those who were not taught with it.

It is important to understand the differences between using the Duolingo application and not using it in teaching vocabulary. While both strategies can be effective for mastering vocabulary, using the Duolingo application has shown significant improvements in students' vocabulary skills.

According to Edwards (2022), Duolingo gamifies language learning so effectively that many apps have since emulated its approach. It serves as a valuable supplement to traditional language lessons. The option to create personalized avatar characters gives students a sense of ownership, enhancing their engagement. All these features contribute to a more immersive experience, encouraging students to return to the app consistently. Duolingo can serve as a medium for learning various English skills.

CONCLUSIONS AND RECOMMENDATIONS

In Pichincha, the school year begins in September; during this time, the knowledge of returning students is often still dormant. At the school in question, it is common to dedicate the first fifteen days of September to assessing and leveling students' knowledge before starting the academic curriculum for the new year. As a result, it can be said that both class groups essentially start from scratch, revealing only the limited amount they remember from previous years. It is important to note that new students may have just entered the school this year, and their knowledge may not be on par with those of the students who have been there longer. Despite these factors, the Pre-test results show that the vocabulary skills between the two eighth-grade classes do not differ significantly.

Based on the pre-test results, the experimental group had eight students who scored below 5, which we used as a comparative reference. In contrast, the Control Group has six students in the same situation. It is also worth noting that the lowest score in the Experimental Group is 0.2, whereas in the Control Group, the lowest score is 2.8. This indicates that the experimental group has a lower level of knowledge of English vocabulary than the control group.

As previously mentioned, the emotions resulting from the physical and psychological changes experienced by eighth-grade students can impact their performance. Additionally, the presence of new students who are adjusting to their groups at the beginning of the year may also contribute to lower initial grades.

According to the results obtained from the post-test following the intervention, the Experimental Group experienced a 124% increase in their English vocabulary knowledge, compared to a 28% increase in the control group. The Duolingo application has proven effective in enhancing students' vocabulary due to its positive impact on vocabulary instruction. It makes the learning process more enjoyable by incorporating engaging visual features that help students quickly grasp the meanings of new words. This interactive approach encourages students to be more active and enthusiastic about expanding their vocabulary. Furthermore, students can learn vocabulary anytime and anywhere, keeping their learning experience fresh and exciting.

Based on the above and the research results, it can be concluded that Duolingo is a tool that young people like and can be used to reinforce and increase vocabulary in English.

Recommendations

Initially, not all students used the Duolingo App as instructed, so it was necessary to emphasize its importance and request weekly evidence of their progress. Since it is an autonomous tool, students tend to use it at their convenience, making it difficult to track the frequency of their usage. However, once they become engaged in their progress, the challenges presented by the application make it enjoyable. As a result, students strive to improve not only their own skills but also to outdo their classmates.

The researcher suggests periodically reinforcing English vocabulary to help students fully assimilate it. Incorporating gamification into activities can significantly engage students of this age, as capturing their attention and maintaining their interest is essential. Additionally, observation techniques can be employed to determine which activities resonate most with them, allowing for a more effective teaching approach.

This study conducted the intervention over a period of one month. To better assess its effects, a longer intervention duration would be beneficial. The researcher observed that students who are not high achievers appeared to enjoy using the Duolingo application more than their high-achieving peers. This finding can serve as a basis for examining the differing behaviors of high and low-achieving students toward the app. Additionally, one weakness of this research is that not all the vocabulary learned by the students was tested. Therefore, further research is needed to include a more comprehensive assessment that evaluates all the vocabulary acquired.

The Duolingo app is recommended as it is accessible both via the web and mobile app. This allows students to learn flexibly and participate in language courses and exercises whenever it is convenient for them, according to their own schedules and preferences.

Students are motivated to learn and acquire skills through this platform as their interest in the subject increases. It is easier for them to understand the material and practice somewhat, preventing boredom during class.

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ANNEXES

VOCABULARY PRE-TEST

Students name: _____   **Date:** _____

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)

Match the profession with the correct description.

1. **Doctor** _____
2. **Teacher** _____
3. **Chef** _____
4. **Engineer** _____
5. **Journalist** _____

A. Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)

Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory   library   gym   art room   board

1. The students learn how to draw and paint in the _____.
2. We have physical education classes in the _____.
3. The _____ is where students study science and conduct experiments.
4. The teacher writes on the _____ at the front of the room.
5. The _____ is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)

Write the name of the subject that corresponds to the description.

1. The study of past events and ancient civilizations: _____
2. Learning about plants, animals, and the environment: _____
3. Understanding numbers, equations, and geometry: _____
4. Studying the structure of languages and learning to write: _____
5. Learning about different countries and their landscapes: _____

Section 4: The Universe (1 point)

Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse   stars   Mercury   Pluto   Sun

1. The Earth orbits around the _____.
2. _____ are large objects made of gas that emit light in the night sky.
3. The _____ is the planet closest to the Sun.
4. A _____ occurs when the moon passes between the Earth and the Sun.
5. _____ is a dwarf planet in our solar system.

Section 5: Rooms at Home (1 point)

Match each description with the correct room in a house.

Options: bathroom   bedroom   kitchen   living room   dining room

1. Where you cook and prepare food: _____
2. Where you sleep and keep your clothes: _____
3. Where you take a bath or a shower: _____
4. A room where you eat meals: _____
5. A place where you watch TV or relax with your family: _____

Section 6: Transportation (1 point)

Choose the correct form of transportation for each description.

Options: train   bicycle   bus   airplane   car

1. A fast way to travel between cities by air: _____
2. A type of vehicle used by many people in cities to get around: _____
3. A two-wheeled vehicle that you pedal to move: _____
4. A large vehicle that takes many passengers long distances on the road: _____
5. A vehicle that travels on rails and carries passengers between stations: _____

Section 7: Clothes (1 point)

Complete the sentences with the correct piece of clothing.

Options: gloves   scarf   skirt   socks   hat

1. You wear this on your feet with shoes: _____
2. You wear this around your neck when it's cold: _____
3. A woman may wear this instead of pants: _____
4. You wear these to keep your hands warm: _____
5. You wear this on your head to protect yourself from the sun: _____

Section 8: Sports (1 point)

Choose the correct sport for each description.

Options: soccer   tennis   judo   triathlon   golf

1. A game played on grass with a small white ball and clubs: _____
2. A sport where players use a racket to hit a ball over a net: _____
3. A team sport played with a round ball where players score goals with their feet: _____
4. A sport that involves swimming, biking, and running: _____
5. A martial art that involves throwing and grappling techniques: _____

Section 9: Outdoor Activities (1 point)

Fill in the blanks with the correct outdoor activity.

Options: archery   hiking   sailing   camping   fishing

1. Walking in nature and climbing mountains is called _____.
2. _____ is the activity of using a tent to sleep outdoors.
3. You can go _____ in a lake or the sea, catching fish.
4. _____ is when you travel by boat in a river or on the sea.
5. _____ is an activity where you use a bow to shoot arrows at a target.

Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script   comedy   protagonist   science fiction   mystery

1. A _____ is a story set in a futuristic world with advanced technology.

2. A _____ is a film that makes people laugh.

3. The _____ of a book or movie is the main person or hero.

4. A _____ is a story that involves solving a crime or mystery.

5. A _____ is the written text of a play, movie, or TV show.

VOCABULARY POST-TEST

Student's name: _____**Date:** _____

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

Column A	Column B
1. astronaut	a) a person who studies the stars and planets.
2. dentist	b) a person who creates visual art.
3. bus driver	c) a person who travels to space.
4. astronomer	d) a person who treats teeth.
5. Artist	e) a person who drives a bus.

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics	biology	literature

1. _____ helps us understand numbers and calculations.
2. In _____, we study reactions and elements.
3. _____ teaches us about past events.
4. _____ involves reading and analyzing texts.
5. _____ studies living organisms and their environments.

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

1. A physicist studies the weather.   T   F

2. A novel can be based on true events.   T   F

3. A dentist is a type of teacher.   T   F

4. Skateboarding is an indoor sport.   T   F

5. A vet builds bridges.   T   F

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus	bicycle	airplane	train	car

1. I take the _____ to school every day.
2. The fastest way to travel long distances is by _____.
3. She rides her _____ in the park on weekends.
4. A _____ is great for family trips.
5. The _____ runs on tracks and connects cities.

Part 3: Rooms at Home (1 point)

5. Match the rooms with their purposes.

1. Kitchen _____
2. Bedroom _____
3. Living Room _____
4. Bathroom _____
5. Study _____

   A. A place to prepare and cook food.
   B. A room for relaxing and socializing.
   C. A room for personal hygiene.
   D. A room for sleeping.
   E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)

6. Match the activities with their descriptions.

1. Basketball _____
2. Hiking _____
3. Swimming _____
4. Tennis _____
5. Camping _____

   A. A sport played on a court with rackets.
   B. An activity involving walking in nature.
   C. A team sport played with a ball and hoop.
   D. Staying outdoors overnight in tents.
   E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. **Complete the sentence with the correct word:**

a) observatory	b) bedroom	c) moon	d) teacher	e) comet

1. The _____ is a natural satellite of the Earth.

2. The _____ is the room where we sleep.

3. A _____ is a celestial object with a nucleus and a tail of gas and dust particles.

4. A _____ is a professional who teaches students.

5. The _____ is a place where you can see stars and planets.

Section 7: Books and Movies (1 point)

8. **Match the type of movie/book with its description:**

   a) Comedy

   b) Horror

   c) Science Fiction

   d) Romance

_____ A story about love and relationships

_____ A story that makes you laugh

_____ A story about futuristic technology and space

_____ A story that is meant to scare you

Section 8: Adjectives (1 point)
9. Match the adjective with its opposite:

a) Happy

b) Big

c) Fast

d) Hot

_____ Slow

_____ Cold

_____ Small

_____ Sad

Section 9: Rooms in the Schools (1 point)
10. Match the place in the school with its function:

a) Classroom

b) Cafeteria

c) Gym

d) Library

_____ Where students eat lunch

_____ Where students exercise

_____ Where students have lessons

_____ Where students read and borrow books

VOCABULARY PRE-TEST

Students name: Student A   **Date:** 16-09-2024

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)
Match the profession with the correct description.

0

1. Doctor   C X
2. Teacher   D X
3. Chef   A X
4. Engineer   B X
5. Journalist   E X

A. Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)
Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory(1)   library(3)   gym(2)   art room(5)   board(4)

0,4

1. The students learn how to draw and paint in the __Laboraty__ X
2. We have physical education classes in the __gym__ ✓.
3. The __library__ X is where students study science and conduct experiments.
4. The teacher writes on the __board__ ✓ at the front of the room.
5. The __artroom__ X is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)
Write the name of the subject that corresponds to the description.

0,2

1. The study of past events and ancient civilizations: __ancient__ X
2. Learning about plants, animals, and the environment: __enimals__ X
3. Understanding numbers, equations, and geometry: __numbers__ X
4. Studying the structure of languages and learning to write: __languages__ ✓
5. Learning about different countries and their landscapes: __diferent__ X

Section 4: The Universe (1 point)
Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse(5)   stars(1)   Mercury(2)   Pluto(3)   Sun(4)

0

1. The Earth orbits around the __stars__ X.
2. __Mercury__ X are large objects made of gas that emit light in the night sky.
3. The __Pluto__ X is the planet closest to the Sun.
4. A __Sun__ X occurs when the moon passes between the Earth and the Sun.
5. __sola ed'pee__ ✓ is a dwarf planet in our solar system.

39

Section 5: Rooms at Home (1 point)
Match each description with the correct room in a house.

Options: bathroom   bedroom   kitchen   living room   dining room

1. Where you cook and prepare food: bathroom X
2. Where you sleep and keep your clothes: bedroom ✓
3. Where you take a bath or a shower: Kitchen X
4. A room where you eat meals: living room X
5. A place where you watch TV or relax with your family: dining room X

0₂

Section 6: Transportation (1 point)
Choose the correct form of transportation for each description.

Options: train   bicycle   bus   airplane   car

1. A fast way to travel between cities by air: train X
2. A type of vehicle used by many people in cities to get around: bicycle X
3. A two-wheeled vehicle that you pedal to move: bus X
4. A large vehicle that takes many passengers long distances on the road: airplane X
5. A vehicle that travels on rails and carries passengers between stations: car X

0

Section 7: Clothes (1 point)
Complete the sentences with the correct piece of clothing.

Options: gloves   scarf   skirt   socks   hat

1. You wear this on your feet with shoes: gloves X
2. You wear this around your neck when it's cold: scarf ✓
3. A woman may wear this instead of pants: skit ✓
4. You wear these to keep your hands warm: hat X
5. You wear this on your head to protect yourself from the sun: socks X

0₄

Section 8: Sports (1 point)
Choose the correct sport for each description.

Options: soccer   tennis   judo   triathlon   golf

1. A game played on grass with a small white ball and clubs: soccer X
2. A sport where players use a racket to hit a ball over a net: X
3. A team sport played with a round ball where players score goals with their feet: tenis X
4. A sport that involves swimming, biking, and running: Judo X
5. A martial art that involves throwing and grappling techniques: X

0

Section 9: Outdoor Activities (1 point)
Fill in the blanks with the correct outdoor activity.

Options: archery   hiking   sailing   camping   fishing

1. Walking in nature and climbing mountains is called sailing X
2. X archery is the activity of using a tent to sleep outdoors.
3. You can go fishing in a lake or the sea, catching fish.
4. X camping is when you travel by boat in a river or on the sea.
5. X hiking is an activity where you use a bow to shoot arrows at a target.

0₂

40

Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script   comedy   protagonist   science fiction   mystery

1. A _science_ is a story set in a futuristic world with advanced technology.
2. A _protagonist_ is a film that makes people laugh.
3. The _Comedy_ of a book or movie is the main person or hero.
4. A _mytery_ is a story that involves solving a crime or mystery.
5. A _script_ is the written text of a play, movie, or TV show.

VOCABULARY POST-TEST

Student's name: Student A   **Date:** 24-010-2024

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

Column A	Column B
1. astronaut	a) a person who studies the stars and planets.
2. dentist	b) a person who creates visual art.
3. bus driver	c) a person who travels to space.
4. astronomer	d) a person who treats teeth.
5. Artist	e) a person who drives a bus.

1

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics	biology	literature

1. Mathematics helps us understand numbers and calculations.
2. In chemistry, we study reactions and elements.
3. History teaches us about past events.
4. literature involves reading and analyzing texts.
5. biology studies living organisms and their environments.

1

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

1. A physicist studies the weather.   X (T) F
2. A novel can be based on true events.   (T) F
3. A dentist is a type of teacher.   T   (F)
4. Skateboarding is an indoor sport.   T   (F)
5. A vet builds bridges.   T   (F)

0,8

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus	bicycle	airplane	train	car

1. I take the bus to school every day.
2. The fastest way to travel long distances is by airplane.
3. She rides her bicyle in the park on weekends.
4. A car is great for family trips.
5. The train runs on tracks and connects cities.

1

Part 3: Rooms at Home (1 point)

5. Match the rooms with their purposes.

1. Kitchen   A
2. Bedroom   D
3. Living Room   B
4. Bathroom   C
5. Study   E

A. A place to prepare and cook food.
B. A room for relaxing and socializing.
C. A room for personal hygiene.
D. A room for sleeping.
E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)

6. Match the activities with their descriptions.

1. Basketball   C
2. Hiking   B
3. Swimming   E
4. Tennis   A
5. Camping   D

A. A sport played on a court with rackets.
B. An activity involving walking in nature.
C. A team sport played with a ball and hoop.
D. Staying outdoors overnight in tents.
E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. Complete the sentence with the correct word:

a) observatory   b) bedroom   c) moon   d) teacher   e) comet

1. The moon is a natural satellite of the Earth.
2. The bedroom is the room where we sleep.
3. A comet is a celestial object with a nucleus and a tail of gas and dust particles.
4. A teacher is a professional who teaches students.
5. The observatory is a place where you can see stars and planets.

Section 7: Books and Movies (1 point)

8. Match the type of movie/book with its description:

a) Comedy
b) Horror
c) Science Fiction
d) Romance

43

d ___ A story about love and relationships
a ___ A story that makes you laugh
c ___ A story about futuristic technology and space
b ___ A story that is meant to scare you

Section 8: Adjectives (1 point)

9. Match the adjective with its opposite:

a) Happy
b) Big
c) Fast
d) Hot

c ___ Slow
d ___ Cold
b ___ Small
a ___ Sad

Section 9: Rooms in the Schools (1 point)

10. Match the place in the school with its function:

a) Classroom
b) Cafeteria
c) Gym
d) Library

b ___ Where students eat lunch
c ___ Where students exercise
a ___ Where students have lessons
d ___ Where students read and borrow books

44

VOCABULARY PRE-TEST

Students name: Student B   **Date:** 16-09-2024

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)
Match the profession with the correct description.

1. **Doctor** _____
2. **Teacher** _____
3. **Chef** _____
4. **Engineer** _____
5. **Journalist** _____

(A) Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)
Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory   library   gym   art room   board

1. The students learn how to draw and paint in the _library_ X.
2. We have physical education classes in the _art room_ X
3. The _gym_ X is where students study science and conduct experiments.
4. The teacher writes on the _board_ at the front of the room.
5. The _Laboratory_ X is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)
Write the name of the subject that corresponds to the description.

1. The study of past events and ancient civilizations: _____
2. Learning about plants, animals, and the environment: _____
3. Understanding numbers, equations, and geometry: _____
4. Studying the structure of languages and learning to write: _____
5. Learning about different countries and their landscapes: _____

Section 4: The Universe (1 point)
Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse   stars   Mercury   Pluto   Sun

1. The Earth orbits around the _solar eclipse_ X
2. _Pluton_ X are large objects made of gas that emit light in the night sky.
3. The _stars_ X is the planet closest to the Sun.
4. A _mercury_ X occurs when the moon passes between the Earth and the Sun.
5. _sun_ X is a dwarf planet in our solar system.

Section 5: Rooms at Home (1 point)
Match each description with the correct room in a house.

Options: bathroom   bedroom   kitchen   living room   dining room

1. Where you cook and prepare food: Kitchen ✓
2. Where you sleep and keep your clothes: livingroom ✗
3. Where you take a bath or a shower: bedroom ✗
4. A room where you eat meals: bathroom ✗
5. A place where you watch TV or relax with your family: dining room ✗

0,2 (handwritten beside items 2–3)

Section 6: Transportation (1 point)
Choose the correct form of transportation for each description.

Options: train   bicycle   bus   airplane   car

1. A fast way to travel between cities by air: _____
2. A type of vehicle used by many people in cities to get around: _____
3. A two-wheeled vehicle that you pedal to move: _____
4. A large vehicle that takes many passengers long distances on the road: _____
5. A vehicle that travels on rails and carries passengers between stations: _____

0 (handwritten beside item 3)

Section 7: Clothes (1 point)
Complete the sentences with the correct piece of clothing.

Options: gloves   scarf   skirt   socks   hat

1. You wear this on your feet with shoes: _____
2. You wear this around your neck when it's cold: _____
3. A woman may wear this instead of pants: _____
4. You wear these to keep your hands warm: _____
5. You wear this on your head to protect yourself from the sun: _____

0 (handwritten beside item 3)

Section 8: Sports (1 point)
Choose the correct sport for each description.

Options: soccer   tennis   judo   triathlon   golf

1. A game played on grass with a small white ball and clubs: _____
2. A sport where players use a racket to hit a ball over a net: _____
3. A team sport played with a round ball where players score goals with their feet:

   _____
4. A sport that involves swimming, biking, and running: _____
5. A martial art that involves throwing and grappling techniques: _____

0 (handwritten beside item 2)

Section 9: Outdoor Activities (1 point)
Fill in the blanks with the correct outdoor activity.

Options: archery   hiking   sailing   camping   fishing

1. Walking in nature and climbing mountains is called _____.
2. _____ is the activity of using a tent to sleep outdoors.
3. You can go _____ in a lake or the sea, catching fish.
4. _____ is when you travel by boat in a river or on the sea.
5. _____ is an activity where you use a bow to shoot arrows at a target.

0 (handwritten beside item 2)

Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script   comedy   protagonist   science fiction   mystery

1. A ~~scrpt~~ X is a story set in a futuristic world with advanced technology.
2. A ~~protagons~~ X is a film that makes people laugh.
3. The ~~my sister~~ X of a book or movie is the main person or hero.
4. A ~~science fiction~~ X is a story that involves solving a crime or mystery.
5. A ~~comedy~~ X is the written text of a play, movie, or TV show.

0

47

VOCABULARY POST-TEST

Student's name: Student B   Date: 24-10-2024

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

0,6

Column A	Column B
1. astronaut	a) X a person who studies the stars and planets.
2. dentist	b) ✓ a person who creates visual art.
3. bus driver	c) ✓ a person who travels to space.
4. astronomer	d) X a person who treats teeth.
5. Artist	e) ✓ a person who drives a bus.

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics	biology	literature

0,2

1. ✓ mthemots helps us understand numbers and calculations.
2. X In biology, we study reactions and elements.
3. X chemistry teaches us about past events.
4. X History involves reading and analyzing texts.
5. X literature studies living organisms and their environments.

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

0,6

1. A physicist studies the weather.	X T	F
2. A novel can be based on true events.	T ✓	F
3. A dentist is a type of teacher.	T	F ✓
4. Skateboarding is an indoor sport.	T	F ✓
5. A vet builds bridges.	X T	F

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus	bicycle	airplane	train	car

0,4

1. I take the bus to school every day.
2. The fastest way to travel long distances is by car X.
3. She rides her bcycle ✓ in the park on weekends.
4. A train X is great for family trips.
5. The airplane X runs on tracks and connects cities.

48

Part 3: Rooms at Home (1 point)

5. Match the rooms with their purposes.

0,6

1. Kitchen   A ✓
2. Bedroom   C ✗
3. Living Room   B ✓
4. Bathroom   D ✗
5. Study   E ✓

    A. A place to prepare and cook food.
    B. A room for relaxing and socializing.
    C. A room for personal hygiene.
    D. A room for sleeping.
    E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)

6. Match the activities with their descriptions.

0,6

1. Basketball   C ✓
2. Hiking   D ✗
3. Swimming   e ✓
4. Tennis   A ✓
5. Camping   B ✗

    A. A sport played on a court with rackets.
    B. An activity involving walking in nature.
    C. A team sport played with a ball and hoop.
    D. Staying outdoors overnight in tents.
    E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. Complete the sentence with the correct word:

a) observatory	b) bedroom	c) moon	d) teacher	e) comet

1

1. The _moon_ ✓ is a natural satellite of the Earth.
2. The _bedron_ ✓ is the room where we sleep.
3. A _comet_ ✓ is a celestial object with a nucleus and a tail of gas and dust particles.
4. A _teacher_ ✓ is a professional who teaches students.
5. The _observa_ ✓ is a place where you can see stars and planets.

Section 7: Books and Movies (1 point)

8. Match the type of movie/book with its description:

    a) Comedy
    b) Horror
    c) Science Fiction
    d) Romance

49

d ✓ A story about love and relationships

b ✗ A story that makes you laugh

a ✗ A story about futuristic technology and space

c ✓ A story that is meant to scare you

0,2

Section 8: Adjectives (1 point)

9. Match the adjective with its opposite:

a) Happy
b) Big
c) Fast
d) Hot

0

a ✗ Slow

b ✗ Cold

d ✗ Small

c ✗ Sad

Section 9: Rooms in the Schools (1 point)

10. Match the place in the school with its function:

a) Classroom
b) Cafeteria
c) Gym
d) Library

0,5

a ✗ Where students eat lunch

c ✓ Where students exercise

b ✗ Where students have lessons

d ✓ Where students read and borrow books

VOCABULARY PRE-TEST

Students name: Student C   **Date:** 16-09-2024

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)
Match the profession with the correct description.

1. **Doctor** _____
2. **Teacher** _____
3. **Chef** _____
4. **Engineer** _____
5. **Journalist** _____

(A.) Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)
Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory   library   gym   art room   board

1. The students learn how to draw and paint in the _gym_ X.
2. We have physical education classes in the _library_ X.
3. The _art room_ X is where students study science and conduct experiments.
4. The teacher writes on the _labotatioti_ X at the front of the room.
5. The _bard_ X is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)
Write the name of the subject that corresponds to the description.

1. The study of past events and ancient civilizations: _____ X
2. Learning about plants, animals, and the environment: _____ X
3. Understanding numbers, equations, and geometry: _____ X
4. Studying the structure of languages and learning to write: _____ X
5. Learning about different countries and their landscapes: _____ X

Section 4: The Universe (1 point)
Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse   stars   Mercury   Pluto   Sun

1. The Earth orbits around the _tours_ X.
2. _Pluto_ X are large objects made of gas that emit light in the night sky.
3. The _Sun_ X is the planet closest to the Sun.
4. A _Mercury_ X occurs when the moon passes between the Earth and the Sun.
5. _solor eclips_ X is a dwarf planet in our solar system.

Section 5: Rooms at Home (1 point)
Match each description with the correct room in a house.

Options: bathroom   bedroom   kitchen   living room   dining room

0,2

1. Where you cook and prepare food: _bothroom X_
2. Where you sleep and keep your clothes: _kitchen X_
3. Where you take a bath or a shower: _dining room X_
4. A room where you eat meals: _bedroom X_
5. A place where you watch TV or relax with your family: _living room_ ✓

Section 6: Transportation (1 point)
Choose the correct form of transportation for each description.

Options: train   bicycle   bus   airplane   car

0,2

1. A fast way to travel between cities by air: _bus X_
2. A type of vehicle used by many people in cities to get around: _car_ ✓
3. A two-wheeled vehicle that you pedal to move: _oiplane X_
4. A large vehicle that takes many passengers long distances on the road: _train X_
5. A vehicle that travels on rails and carries passengers between stations: _bicycle X_

Section 7: Clothes (1 point)
Complete the sentences with the correct piece of clothing.

Options: gloves   scarf   skirt   socks   hat

1. You wear this on your feet with shoes: _hat X_
2. You wear this around your neck when it's cold: _locks X_
3. A woman may wear this instead of pants: _scorf X_
4. You wear these to keep your hands warm: _hat X_
5. You wear this on your head to protect yourself from the sun: _gloves X_

Section 8: Sports (1 point)
Choose the correct sport for each description.

Options: soccer   tennis   judo   triathlon   golf

0,2

1. A game played on grass with a small white ball and clubs: _golF_ ✓
2. A sport where players use a racket to hit a ball over a net: _judo X_
3. A team sport played with a round ball where players score goals with their feet:
   tembil X
4. A sport that involves swimming, biking, and running: _soccer X_
5. A martial art that involves throwing and grappling techniques: _teni: X_

Section 9: Outdoor Activities (1 point)
Fill in the blanks with the correct outdoor activity.

Options: archery   hiking   sailing   camping   fishing

0

1. Walking in nature and climbing mountains is called _____ X .
2. _____ X is the activity of using a tent to sleep outdoors.
3. You can go _____ X in a lake or the sea, catching fish.
4. _____ X is when you travel by boat in a river or on the sea.
5. _____ X is an activity where you use a bow to shoot arrows at a target.

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Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script   comedy   protagonist   science fiction   mystery

1. A _____ ✗ is a story set in a futuristic world with advanced technology.

2. A _____ ✗ is a film that makes people laugh.

3. The _____ ✗ of a book or movie is the main person or hero.

4. A _____ ✗ is a story that involves solving a crime or mystery.

5. A _____ ✗ is the written text of a play, movie, or TV show.

VOCABULARY POST-TEST

Student's name: Student C   **Date:** _____

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

Column A
1. astronaut
2. dentist
3. bus driver
4. astronomer
5. Artist

Column B
a) ✗ a person who studies the stars and planets.
b) ✗ a person who creates visual art.
c) ✓ a person who travels to space.
d) ✗ a person who treats teeth.
e) ✗ a person who drives a bus.

0,2

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics	biology	literature

1. ✗ _History_ helps us understand numbers and calculations.
2. ✗ In _licture_, we study reactions and elements.
3. ✗ _chemistry_ teaches us about past events.
4. ✗ _biology_ involves reading and analyzing texts.
5. ✗ _mathe Ha_ studies living organisms and their environments.

0

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

	T	F
1. A physicist studies the weather.	T	Ⓕ ✓
2. A novel can be based on true events.	Ⓣ	F
3. A dentist is a type of teacher.	T	Ⓕ ✓
4. Skateboarding is an indoor sport.	✗Ⓣ	F ✓
5. A vet builds bridges.	T	Ⓕ

0,8

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus	bicycle	airplane	train	car

1. I take the _train_ ✗ to school every day.
2. The fastest way to travel long distances is by _car_ ✗.
3. She rides her _bus_ ✗ in the park on weekends.
4. A _airplan_ is great for family trips.
5. The _train_ ✗ runs on tracks and connects cities.

0

54

Part 3: Rooms at Home (1 point)

5. Match the rooms with their purposes.

0,6

1. Kitchen   _A_ ✓
2. Bedroom   _C_ ✗ ✓
3. Living Room _D_ ✓
4. Bathroom   _D_ ✗
5. Study   _E_ ✓

    A. A place to prepare and cook food.
    B. A room for relaxing and socializing.
    C. A room for personal hygiene.
    D. A room for sleeping.
    E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)

6. Match the activities with their descriptions.

0,4

1. Basketball _E_ ✗
2. Hiking   _D_ ✓
3. Swimming   _C_ ✗
4. Tennis   _B_ ✓
5. Camping   _A_ ✗

    A. A sport played on a court with rackets.
    B. An activity involving walking in nature.
    C. A team sport played with a ball and hoop.
    D. Staying outdoors overnight in tents.
    E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. **Complete the sentence with the correct word:**

a) observatory	b) bedroom	c) moon	d) teacher	e) comet

0,6

1. The _moon_ ✓ is a natural satellite of the Earth.
2. The _teacher_ ✗ is the room where we sleep.
3. A _comet_ ✓ is a celestial object with a nucleus and a tail of gas and dust particles.
4. A _bedroom_ ✗ is a professional who teaches students.
5. The _observatory_ ✗ is a place where you can see stars and planets.

Section 7: Books and Movies (1 point)

8. **Match the type of movie/book with its description:**

    a) Comedy
    b) Horror
    c) Science Fiction
    d) Romance

___d___ A story about love and relationships
___c___ A story that makes you laugh
___a___ A story about futuristic technology and space
___b___ A story that is meant to scare you

Section 8: Adjectives (1 point)
9. Match the adjective with its opposite:

a) Happy
b) Big
c) Fast
d) Hot

___d___ Slow
___b___ Cold
___a___ Small
___c___ Sad

Section 9: Rooms in the Schools (1 point)
10. Match the place in the school with its function:

a) Classroom
b) Cafeteria
c) Gym
d) Library

___b___ Where students eat lunch
___a___ Where students exercise
___b___ Where students have lessons
___c___ Where students read and borrow books

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VOCABULARY PRE-TEST

Students name: Student D _____ Date: 8A _____

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)
Match the profession with the correct description.

1. Doctor
2. Teacher
3. Chef
4. Engineer
5. Journalist

A. Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)
Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory   library   gym   art room   board

1. The students learn how to draw and paint in the _library_ ✗.
2. We have physical education classes in the _laboratory_ ✗.
3. The _gym_ ✗ is where students study science and conduct experiments.
4. The teacher writes on the _art room_ ✗ at the front of the room.
5. The _board_ ✗ is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)
Write the name of the subject that corresponds to the description.

1. The study of past events and ancient civilizations: _____
2. Learning about plants, animals, and the environment: _____
3. Understanding numbers, equations, and geometry: _____
4. Studying the structure of languages and learning to write: _____
5. Learning about different countries and their landscapes: _____

Section 4: The Universe (1 point)
Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse   stars   Mercury   Pluto   Sun

1. The Earth orbits around the _Pluto_ ✗.
2. _Mercury_ ✗ are large objects made of gas that emit light in the night sky.
3. The _stars_ ✗ is the planet closest to the Sun.
4. A _Sun_ ✗ occurs when the moon passes between the Earth and the Sun.
5. _Solar eclipse_ ✗ is a dwarf planet in our solar system.

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Section 5: Rooms at Home (1 point)
Match each description with the correct room in a house.

Options: bathroom   bedroom   kitchen   living room   dining room

0

1. Where you cook and prepare food: _bedroom_ X
2. Where you sleep and keep your clothes: _kitchen_ X
3. Where you take a bath or a shower: _living room_ X
4. A room where you eat meals: _kitchen_ X
5. A place where you watch TV or relax with your family: _dining room_ X

Section 6: Transportation (1 point)
Choose the correct form of transportation for each description.

Options: train   bicycle   bus   airplane   car

0,2

1. A fast way to travel between cities by air: _train_ X   _airplane_ X
2. A type of vehicle used by many people in cities to get around: _airplane_ X
3. A two-wheeled vehicle that you pedal to move: _bicycle_ ✓
4. A large vehicle that takes many passengers long distances on the road: _car_ X
5. A vehicle that travels on rails and carries passengers between stations: _bus_ X

Section 7: Clothes (1 point)
Complete the sentences with the correct piece of clothing.

Options: gloves   scarf   skirt   socks   hat

0,4

1. You wear this on your feet with shoes: _socks_ X
2. You wear this around your neck when it's cold: _skirt_ X
3. A woman may wear this instead of pants: _scarf_ ✓
4. You wear these to keep your hands warm: _gloves_ ✓   _hat_ ✓
5. You wear this on your head to protect yourself from the sun: _hat_

Section 8: Sports (1 point)
Choose the correct sport for each description.

Options: soccer   tennis   judo   triathlon   golf

0,4

1. A game played on grass with a small white ball and clubs: _triathlon_ X
2. A sport where players use a racket to hit a ball over a net: _golf_ X
3. A team sport played with a round ball where players score goals with their feet: _soccer_ ✓
4. A sport that involves swimming, biking, and running: _tennis_ X   _judo_ ✓
5. A martial art that involves throwing and grappling techniques: _judo_ ✓

Section 9: Outdoor Activities (1 point)
Fill in the blanks with the correct outdoor activity.

Options: archery   hiking   sailing   camping   fishing

0,4

1. Walking in nature and climbing mountains is called _hiking_ ✓ .
2. _camping_ ✓ is the activity of using a tent to sleep outdoors.
3. You can go _fishing_ X in a lake or the sea, catching fish.
4. _sailing_ X is when you travel by boat in a river or on the sea.
5. _archery_ X is an activity where you use a bow to shoot arrows at a target.

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Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script   comedy   protagonist   science fiction   mystery

1. A _~~mystery~~_ is a story set in a futuristic world with advanced technology.
2. A _~~comedy~~_ is a film that makes people laugh.
3. The _~~protagonist~~_ of a book or movie is the main person or hero.
4. A _~~protagonist~~_ is a story that involves solving a crime or mystery.
5. A _~~science fiction~~_ is the written text of a play, movie, or TV show.

VOCABULARY POST-TEST

(3,4/10)

Student's name: Student D

Date: _October 24_

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

0,6

Column A		Column B
1. astronaut	a) ✗	a person who studies the stars and planets.
2. dentist	b) ✓	a person who creates visual art.
3. bus driver	c) ✗	a person who travels to space.
4. astronomer	d) ✓	a person who treats teeth.
5. Artist	e) ✓	a person who drives a bus.

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics	biology	literature

0,4

1. _history_ ✗ helps us understand numbers and calculations.
2. In _chemistry_ ✓ we study reactions and elements.
3. _biology_ ✗ teaches us about past events.
4. _literature_ ✓ involves reading and analyzing texts.
5. _mathematics_ ✓ studies living organisms and their environments.

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

0,2

1. A physicist studies the weather. ✗ (T)   F
2. A novel can be based on true events. T   (F) ✗
3. A dentist is a type of teacher. ✗ (T)   F
4. Skateboarding is an indoor sport. T   (F) ✓
5. A vet builds bridges. ✗ (T)   F

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus	bicycle	airplane	train	car

0,2

1. I take the _bus_ ✓ to school every day.
2. The fastest way to travel long distances is by _airplane_ ✗
3. She rides her _bicycle_ ✗ in the park on weekends.
4. A _car_ ✗ is great for family trips.
5. The _train_ ✓ runs on tracks and connects cities.

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Part 3: Rooms at Home (1 point)
5. Match the rooms with their purposes.

0,4

1. Kitchen   A ✓
2. Bedroom   E ✗
3. Living Room   B ✓
4. Bathroom   D ✗
5. Study   C ✗

A. A place to prepare and cook food.
B. A room for relaxing and socializing.
C. A room for personal hygiene.
D. A room for sleeping.
E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)
6. Match the activities with their descriptions.

0

1. Basketball   A ✗
2. Hiking   E ✗
3. Swimming   C ✗
4. Tennis   D ✗
5. Camping   B ✗

A. A sport played on a court with rackets.
B. An activity involving walking in nature.
C. A team sport played with a ball and hoop.
D. Staying outdoors overnight in tents.
E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. Complete the sentence with the correct word:

| a) observatory | b) bedroom | c) moon | d) teacher | e) comet |

0,6

1. The _moon_ is a natural satellite of the Earth.
2. The _bedroom_ is the room where we sleep.
3. A _comet_ is a celestial object with a nucleus and a tail of gas and dust particles.
4. A _teacher_ is a professional who teaches students.
5. The _observatory_ is a place where you can see stars and planets. ✗

Section 7: Books and Movies (1 point)
8. Match the type of movie/book with its description:

a) Comedy
b) Horror
c) Science Fiction
d) Romance

X b____ A story about love and relationships
✓ a____ A story that makes you laugh
✓ c____ A story about futuristic technology and space
X d____ A story that is meant to scare you

Section 8: Adjectives (1 point)

9. Match the adjective with its opposite:

a) Happy
b) Big
c) Fast
d) Hot

___b X__ Slow
___c X__ Cold
___a X__ Small
___d ✓__ Sad

Section 9: Rooms in the Schools (1 point)

10. Match the place in the school with its function:

a) Classroom
b) Cafeteria
c) Gym
d) Library

___b ✓__ Where students eat lunch
___c ✓__ Where students exercise
___d X__ Where students have lessons
___a X__ Where students read and borrow books

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VOCABULARY PRE-TEST

Students name: Student E   **Date:** 16/9/24

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)
Match the profession with the correct description.

0

1. Doctor ____
2. Teacher ____
3. Chef ____
4. Engineer ____
5. Journalist ____

A. Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)
Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory✓   library✓   gym   art room   board

0,6

1. The students learn how to draw and paint in the ___gym___ ✗.
2. We have physical education classes in the ___art room___ ✗.
3. The ___Laboratory___ is where students study science and conduct experiments.
4. The teacher writes on the ___board___ at the front of the room.
5. The ___library___ is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)
Write the name of the subject that corresponds to the description.

0

1. The study of past events and ancient civilizations: _____
2. Learning about plants, animals, and the environment: _____
3. Understanding numbers, equations, and geometry: _____
4. Studying the structure of languages and learning to write: _____
5. Learning about different countries and their landscapes: _____

Section 4: The Universe (1 point)
Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse   stars   Mercury   Pluto   Sun ✓

0

1. The Earth orbits around the ___solar eclipse___ ✗
2. ___Pluton___ ✗ are large objects made of gas that emit light in the night sky.
3. The ___stars___ ✗ is the planet closest to the Sun.
4. A ___Sun___ ✗ occurs when the moon passes between the Earth and the Sun.
5. ___Mercory___ ✗ is a dwarf planet in our solar system.

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Section 5: Rooms at Home (1 point)

Match each description with the correct room in a house.

Options: bathroom✓   bedroom✓   kitchen✓   living room✓   dining room✓

0,4
1. Where you cook and prepare food: _kitchen_ ✓
2. Where you sleep and keep your clothes: _bathroom_ X
3. Where you take a bath or a shower: _dining room_ X
4. A room where you eat meals: _bedroom_ X
5. A place where you watch TV or relax with your family: _living room_ ✓

Section 6: Transportation (1 point)

Choose the correct form of transportation for each description.

Options: train ✓   bicycle ✓   bus ✓   airplane   car ✓

0,6
1. A fast way to travel between cities by air: _airplane_ ✓
2. A type of vehicle used by many people in cities to get around: _train_ X
3. A two-wheeled vehicle that you pedal to move: _bicycle_ ✓
4. A large vehicle that takes many passengers long distances on the road: _bus_ ✓
5. A vehicle that travels on rails and carries passengers between stations: _car_ X

Section 7: Clothes (1 point)

Complete the sentences with the correct piece of clothing.

Options: gloves✓   scarf ✓   skirt ✓   socks ✓   hat✓

0
1. You wear this on your feet with shoes: _skirt_ X
2. You wear this around your neck when it's cold: _hat_ X
3. A woman may wear this instead of pants: _scarf_ X
4. You wear these to keep your hands warm: _socks_ X
5. You wear this on your head to protect yourself from the sun: _gloves_ X

Section 8: Sports (1 point)

Choose the correct sport for each description.

Options: soccer ✓   tennis ✓   judo   triathlon   golf

1
1. A game played on grass with a small white ball and clubs: _golf_ ✓
2. A sport where players use a racket to hit a ball over a net: _tennis_ ✓
3. A team sport played with a round ball where players score goals with their feet:
   soccer ✓
4. A sport that involves swimming, biking, and running: _triathlon_ ✓
5. A martial art that involves throwing and grappling techniques: _judo_ ✓

Section 9: Outdoor Activities (1 point)

Fill in the blanks with the correct outdoor activity.

Options: archery ✓   hiking ✓   sailing ✓   camping ✓   fishing ✓

0
1. Walking in nature and climbing mountains is called _sailing_ X .
2. _archery_ X is the activity of using a tent to sleep outdoors.
3. You can go _camping_ X in a lake or the sea, catching fish.
4. _fishing_ X is when you travel by boat in a river or on the sea.
5. _hiking_ X is an activity where you use a bow to shoot arrows at a target.

Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script ✓   comedy ✓   protagonist ✓   science fiction ✓   mystery ✓

1. A _Mystery_ ✗ is a story set in a futuristic world with advanced technology.
2. A _script_ ✗ is a film that makes people laugh.
3. The _Science fiction_ of a book or movie is the main person or hero.
4. A _protagonist_ ✗ is a story that involves solving a crime or mystery.
5. A _comedy_ ✗ is the written text of a play, movie, or TV show.

VOCABULARY POST-TEST

Student's name: Student E _____ Date: 24/10/2024

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

0,6

Column A	Column B
1. astronaut	a) ✗ a person who studies the stars and planets.
2. dentist	b) ✓ a person who creates visual art.
3. bus driver	c) ✗ a person who travels to space.
4. astronomer	d) ✓ a person who treats teeth.
5. Artist	e) ✓ a person who drives a bus.

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics ✓	biology	literature ✓

0,4

1. mathema helps us understand numbers and calculations.
2. In biology ✗, we study reactions and elements.
3. chemistry teaches us about past events.
4. literature involves reading and analyzing texts.
5. History ✗ studies living organisms and their environments.

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

0,2

1. A physicist studies the weather. ✗ Ⓣ F
2. A novel can be based on true events. T Ⓕ ✗
3. A dentist is a type of teacher. T Ⓕ ✓
4. Skateboarding is an indoor sport. ✗ Ⓣ F
5. A vet builds bridges. ✗ Ⓣ F

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus ✓	bicycle ✓	airplane	train	car ✓

0,6

1. I take the **bus** ✓ to school every day.
2. The fastest way to travel long distances is by train ✗
3. She rides her bicycle in the park on weekends.
4. A car is great for family trips.
5. The airplane runs on tracks and connects cities.

66

6,15/10

Part 3: Rooms at Home (1 point)

5. Match the rooms with their purposes.

1. Kitchen   A ✓
2. Bedroom   C ✗
3. Living Room   B ✓
4. Bathroom   D ✗
5. Study   E ✓

A. A place to prepare and cook food.
B. A room for relaxing and socializing.
C. A room for personal hygiene.
D. A room for sleeping.
E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)

6. Match the activities with their descriptions.

1. Basketball   C ✓
2. Hiking   B ✓
3. Swimming   E ✓
4. Tennis   A ✓
5. Camping   D ✓

A. A sport played on a court with rackets.
B. An activity involving walking in nature.
C. A team sport played with a ball and hoop.
D. Staying outdoors overnight in tents.
E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. **Complete the sentence with the correct word:**

a) observatory ✓   b) bedroom ✓   c) moon ✓   d) teacher ✓   e) comet ✓

1. The _moon_ is a natural satellite of the Earth.
2. The _bedroom_ is the room where we sleep.
3. A _comet_ is a celestial object with a nucleus and a tail of gas and dust particles.
4. A _teacher_ is a professional who teaches students.
5. The _observatory_ is a place where you can see stars and planets.

Section 7: Books and Movies (1 point)

8. **Match the type of movie/book with its description:**

a) Comedy
b) Horror
c) Science Fiction
d) Romance

0,5

✓ _d_ A story about love and relationships
✗ _b_ A story that makes you laugh
✓ _c_ A story about futuristic technology and space
✗ _a_ A story that is meant to scare you

Section 8: Adjectives (1 point)
9. Match the adjective with its opposite:

a) Happy
b) Big
c) Fast
d) Hot

0,25

✓ _c_ Slow
✗ _b_ Cold
✗ _a_ Small
✗ _d_ Sad

Section 9: Rooms in the Schools (1 point)
10. Match the place in the school with its function:

a) Classroom
b) Cafeteria
c) Gym
d) Library

1

✓ _b_ Where students eat lunch
✓ _c_ Where students exercise
✓ _a_ Where students have lessons
✓ _d_ Where students read and borrow books

VOCABULARY PRE-TEST

Students name: Student F   **Date:** 16-09-2024

Objective: The following instrument is used to determine each student's vocabulary level before using the Duolingo application.

Section 1: Professions (1 point)
Match the profession with the correct description.

1. Doctor   D
2. Teacher   E
3. Chef   B
4. Engineer   A
5. Journalist C

A. Designs machines, buildings, or infrastructure.
B. Prepares meals in a restaurant or kitchen.
C. Writes and reports news for newspapers, TV, or online media.
D. Helps people with medical issues or health problems.
E. Educates and teaches students in a school or university.

Section 2: Classrooms in the School (1 point)
Fill in the blanks with the correct classroom or space in a school.

Options: Laboratory   library   gym   art room   board

1. The students learn how to draw and paint in the _art room_.
2. We have physical education classes in the _gym_.
3. The _Laboratory_ is where students study science and conduct experiments.
4. The teacher writes on the _board_ at the front of the room.
5. The _library_ is a quiet place where you can read or borrow books.

Section 3: Subjects (1 point)
Write the name of the subject that corresponds to the description.

1. The study of past events and ancient civilizations: _____
2. Learning about plants, animals, and the environment: _____
3. Understanding numbers, equations, and geometry: _Theacher_
4. Studying the structure of languages and learning to write: _____
5. Learning about different countries and their landscapes: _____

Section 4: The Universe (1 point)
Choose the correct word related to the universe to complete each sentence.

Options: solar eclipse   stars   Mercury   Pluto   Sun

1. The Earth orbits around the _Sun_.
2. _stars_ are large objects made of gas that emit light in the night sky.
3. The _Mercury_ is the planet closest to the Sun.
4. A _solar eclipse_ occurs when the moon passes between the Earth and the Sun.
5. _Pluto_ is a dwarf planet in our solar system.

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Section 5: Rooms at Home (1 point)
Match each description with the correct room in a house.

Options: bathroom   bedroom   kitchen   living room   dining room

1. Where you cook and prepare food: _Kitchen_
2. Where you sleep and keep your clothes: _bedroom_
3. Where you take a bath or a shower: _bathroom_
4. A room where you eat meals: _dining room_
5. A place where you watch TV or relax with your family: _living room_

Section 6: Transportation (1 point)
Choose the correct form of transportation for each description.

Options: train   bicycle   bus   airplane   car

1. A fast way to travel between cities by air: _airplane_
2. A type of vehicle used by many people in cities to get around: _car_
3. A two-wheeled vehicle that you pedal to move: _bicycle_
4. A large vehicle that takes many passengers long distances on the road: _bus_
5. A vehicle that travels on rails and carries passengers between stations: _train_

Section 7: Clothes (1 point)
Complete the sentences with the correct piece of clothing.

Options: gloves   scarf   skirt   socks   hat

1. You wear this on your feet with shoes: _socks_
2. You wear this around your neck when it's cold: _scarf_
3. A woman may wear this instead of pants: _skirt_
4. You wear these to keep your hands warm: _gloves_
5. You wear this on your head to protect yourself from the sun: _hat_

Section 8: Sports (1 point)
Choose the correct sport for each description.

Options: soccer   tennis   judo   triathlon   golf

1. A game played on grass with a small white ball and clubs: _golf_
2. A sport where players use a racket to hit a ball over a net: _tennis_
3. A team sport played with a round ball where players score goals with their feet: _soccer_
4. A sport that involves swimming, biking, and running: _triathlon_
5. A martial art that involves throwing and grappling techniques: _judo_

Section 9: Outdoor Activities (1 point)
Fill in the blanks with the correct outdoor activity.

Options: archery   hiking   sailing   camping   fishing

1. Walking in nature and climbing mountains is called _hiking_.
2. _camping_ is the activity of using a tent to sleep outdoors.
3. You can go _fishing_ in a lake or the sea, catching fish.
4. _sailing_ is when you travel by boat in a river or on the sea.
5. _archery_ is an activity where you use a bow to shoot arrows at a target.

Section 10: Books or Movies (1 point)

Write the correct word related to books or movies for each sentence.

Options: script   comedy   protagonist   science fiction   mystery

1. A _science fiction_ is a story set in a futuristic world with advanced technology.
2. A _comedy_ is a film that makes people laugh.
3. The _protagonist_ of a book or movie is the main person or hero.
4. A _mystery_ is a story that involves solving a crime or mystery.
5. A _script_ is the written text of a play, movie, or TV show.

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VOCABULARY POST-TEST

Student's name: __ Student F _____ **Date:** 24/0(0)/2024

Objective: The following instrument determines each student's vocabulary level after using the Duolingo application.

Section 1: Professions (1 point)

1. Match the words in Column A with definitions in Column B

1

Column A		Column B
1. astronaut	a)	a person who studies the stars and planets.
2. dentist	b)	a person who creates visual art.
3. bus driver	c)	a person who travels to space.
4. astronomer	d)	a person who treats teeth.
5. Artist	e)	a person who drives a bus.

Section 2: Subjects in School (1 point)

2. Fill in the blanks with the correct subject from the box. (Use each word once)

History	chemistry	mathematics	biology	literature

0,6

✓ 1. Mathematic helps us understand numbers and calculations.

✗ 2. In biology, we study reactions and elements.

✓ 3. History teaches us about past events.

✓ 4. literature involves reading and analyzing texts.

✗ 5. Chemistry studies living organisms and their environments.

Section 3: True or False (1 point)

3. Read the statements and write "True" or "False."

0,4

1. A physicist studies the weather.   T   (F) ✓
2. A novel can be based on true events.   T   (F) ✗
3. A dentist is a type of teacher.   T   (F) ✓
4. Skateboarding is an indoor sport.   ✗ (T)   F
5. A vet builds bridges.   ✗ (T)   F

Section 4: Means of Transportation (1 point)

4. Fill in the blanks with the correct word from the box. (Use each word once)

bus	bicycle	airplane	train	car

1

1. I take the __bus__ ✓ to school every day.
2. The fastest way to travel long distances is by __airplane__ ✓
3. She rides her __bicycle__ in the park on weekends.
4. A __car__ is great for family trips.
5. The __train__ ✓ runs on tracks and connects cities.

Part 3: Rooms at Home (1 point)

5. Match the rooms with their purposes.

1. Kitchen   A
2. Bedroom   X D
3. Living Room   B
4. Bathroom   C
5. Study   E

A. A place to prepare and cook food.
B. A room for relaxing and socializing.
C. A room for personal hygiene.
D. A room for sleeping.
E. A room for studying or working.

Section 5: Sports and Outdoor Activities (1 point)

6. Match the activities with their descriptions.

1. Basketball   C
2. Hiking   D X
3. Swimming   E
4. Tennis   A
5. Camping   B X

A. A sport played on a court with rackets.
B. An activity involving walking in nature.
C. A team sport played with a ball and hoop.
D. Staying outdoors overnight in tents.
E. A water activity for fitness and fun.

Section 6: Completion Questions (1 point)

7. **Complete the sentence with the correct word:**

a) observatory   b) bedroom   c) moon   d) teacher   e) comet

1. The __C__ is a natural satellite of the Earth.
2. The __b__ is the room where we sleep.
3. A __e__ is a celestial object with a nucleus and a tail of gas and dust particles.
4. A __d__ is a professional who teaches students.
5. The __a__ is a place where you can see stars and planets.

Section 7: Books and Movies (1 point)

8. **Match the type of movie/book with its description:**

a) Comedy
b) Horror
c) Science Fiction
d) Romance

73

_____ A story about love and relationships
_____ A story that makes you laugh
_____ A story about futuristic technology and space
_____ A story that is meant to scare you

Section 8: Adjectives (1 point)

9. Match the adjective with its opposite:

a) Happy
b) Big
c) Fast
d) Hot

_____ Slow
_____ Cold
_____ Small
_____ Sad

Section 9: Rooms in the Schools (1 point)

10. Match the place in the school with its function:

a) Classroom
b) Cafeteria
c) Gym
d) Library

_____ Where students eat lunch
_____ Where students exercise
_____ Where students have lessons
_____ Where students read and borrow books

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