



## Graduation Project

### **The Effect of Mouse Mischief Application on Developing English language Skills for Elementary School Students in Al Khobar**

Student Name:	<b>Mahawy8577</b>
Academic Number:	<b>212.....</b>
Supervisor:	<b>Dr. FatimahAl Zahra</b>
Email:	<b>.....</b>

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## Abstract

This study focuses on the relationship between The Mouse Mischief application and active learning for developing English language skills used by children in elementary schools . So, this research will explain how the program is used and its positive effect on the students in my school (The Fifth Elementary School in Al Khobar). This research was applied to 48 students from grade 6 in my school. They were divided into two groups . One group has used the new technology and the other did not. To achieve the aim of the study was used the English language test and was verified reliability and validity in appropriate ways the results of the research. There are the results of students in the two groups in the improvement of the English language and academic achievement.

## Introduction:

Teachers face many problems in their work to deliver information and concepts to students and spend a lot of time and effort to attract students' attention during his explanation. As a teacher, do you want to raise the enthusiasm of your students? Do you want to attract the attention of your students? Do you like to have a very interesting lesson? Would you like to use technology to serve your lessons? It's the easiest way and the most effective. It's just a mouse or several mice with Multiple Mice Technology from Microsoft Corporation.

**What exactly is *Mouse Mischief*?** Mouse Mischief is an additional function for each the Microsoft PowerPoint 2010 and Microsoft Office PowerPoint 2007. It allows teachers to create lessons with a number of mouse devices (wireless mice) that interact with students in one presentation, collectively or individually.

The teacher can work through the program with five to twenty-five students at the same time, Each student or group of students has a distinctive shape of his mouse appears in the presentation, so they can answer multiple choice question and, yes/no or true/false question slides, or even draw on the screen.

Mouse Mischief can, also, monitoring of students' answers, give statistics for the fast answer, and that means more interaction among all class members. Students can interact with lesson content and follow their teacher better. According to (Wash, 2012), "*Mouse Mischief* is an alternative student response system". In fact, Mouse Mischief can play a valuable role for English language beginners in improving their English language skills. It helps extend their vocabulary, and it allows them to learn words and phrases in a fun and easy way.

**The following are some of benefits of Mouse Mischief in developing English Language skills presented by teachers:**

- 1- Attract students' attention during the explanation interesting and fun way.
- 2- More communication between teacher and student in the classroom.
- 3- The teacher follows the student well.
- 4- Students focus on one computer instead of the distractions in more than one device.
- 5- Composition of interactive activities easy and flexible manner.
- 6- Students learn English faster through other while learning.
- 7- Develop a desire to learn more English vocabulary and grammatical rules.
- 8- Students have become more professional in active learning.

### **Literature Review:**

The English language has become the first and most widespread in the world, and it is the language of the modern era, also Learning English will help us in responding to the challenges of the world and technological knowledge that invade us in our own in the era of globalization and the universality of culture. So, developing English Language skills needs Mouse Mischief Technology. "Mouse Mischief emerged from collaboration between two of Microsoft's research labs in India and China in 2006" (From Wikipedia, 2015)

There are two of the views presented by teachers about Mouse Mischief. First, "Mouse Mischief reinforces attention and participation and promotes teamwork while enabling pupils to learn while having fun ". (Ovi Barceló, Head of IT at Julio Verne School, 2010). Second, "Using Mouse Mischief is totally different from the traditional way of teaching because students have the ability to interact with teachers more. Students get more feedback, and they get it faster." (Don, L, 2008). There are also many videos talking about the Mouse Mischief. (See this link) <https://youtu.be/TrsCatpI62A?t=72>

### **How to install the program:**

For computers that have operating system Windows 7 or Windows 10 there is an automatic install from the official website of Microsoft Corp. (Or from this link)

<https://www.microsoft.com/en-us/download/details.aspx?id=7037>

### **Technology Requirements:**

- 1- One computer.
- 2- Sufficient number of wireless mice for the groups in the classroom.
- 3- Projector.

4- USB Hubs.

### Mouse Mischief Classroom Setup:

Connect a USB hub to the laptop, then connect multiple mice to the hub (see this link)

<https://youtu.be/WKrRXYmSfjg?t=214>

### Software tools:

When you install the software you will see a button in the menu bar “Multiple Mouse” within the PowerPoint program, which consists of the following:

1-Button creates a new slide.

2- Button Inserts Yes/No slide.

3-Button Inserts Multiple Choice slide.

4- Button Inserts Drawing slide.

5- Button assigns “Correct” Answer

6- Button plays slide show.

### Create presentations:

1- In PowerPoint, click on the “Multiple Mouse” tab.

2- There are 3 choices for interactive slides: Yes/No, Multiple Choice, or Drawing.

For example:

1- To create a Yes/No slide, first click the Button in the toolbar.

2- On the slide, type your question.

3- Click on “Assign Answer”, and then click on the appropriate answer in the drop-down list.

If you clicked on 1 or 2, a green check mark will appear on the correct answer

In your slide (The answer will only appear after the students have completed the slide).

- 4- Start your interactive slide show.
- 5- Determine the pointing device that will be the teacher mouse.
- 6- Select either individual or team Mode.
- 7- Register all participant mice.
- 8- If the Students play in teams, each team has a mouse pointer with the same picture.
- 9- The team must select one answer to each question.

For more information, see this link: <https://www.youtube.com/watch?v=bCuTy36kWvM>

### **Significance of Research:**

There are many positive effects of Mouse Mischief on students' learning outcomes

#### **❖ Engage students activity and support collaborative learning:**

Teaching English language skills are very important for The elementary school student, and using Mouse Mischief can raise the curiosity of the student by combining interactive technology and curriculum, the student gets the fun, education while watching the visual effects for their answer on a common screen while they using different colors and shapes mouse pointers.

#### **❖ Improve classroom management and the participation of all students:**

By using Mouse Mischief There is no longer need to wait for hand-raising, You can see students' answers on the screen immediately, The program will facilitate the participation of all students even the quietest of them on a regular basis without the fear of saying the wrong answer, Enabling students to understand the lesson better.

#### **❖ Easy to use and suitable for the budget of the classroom:**

Because the Mouse Mischief is integrated with the easy-to-use program PowerPoint, it will not take a long time to learn how to use it. In addition to, you can set up classrooms without buying high-priced devices. Where most of the schools have already mice and USB hubs, it is also available in stores that sell computer accessories.

### **Research Questions**

The research will determine the answer to the following questions:

What is the effect of Mouse Mischief on active learning in general? And what is the importance of it in the development of English language skills for elementary school students?

### **Research Methodology**

In order to know the relationship between Mouse Mischief and the development of English language skills of elementary school students, this research was applied to 48 students. Students were divided into two groups of 24. One group was taught English language skills through Mouse Mischief while the other group taught through conventional teaching methods. Each group was given the same texts to learn, amount teaching time, English language skills, Quizzes.

At the end of the semester, a standardized test was given to both groups, and the test results determined the level of academic achievement for the two groups. The results indicated that the group that used Mouse Mischief got high marks compared to the other group, as well as their answers was faster. In the meantime, a set of interviews was conducted with a sample of teachers. All meetings took place in the school. The responses of the teachers gathered through the interviews were then analyzed, and ensure



the effectiveness of the Mouse Mischief in active learning and in the development of English language skills.

### **Ethical Considerations**

The experience was in a safe classroom environment, the participants in this research will be given the standardized test in their own classroom and their names will be anonymous.

### **Limitations of the study:**

The study has the fifth elementary in Al-Khobar, and the study follows the scientific search methodology. Moreover, a meeting with some teachers of the students who used the Mouse Mischief Technique in their learning, and they indicated that it had a positive effect on their children in terms of English language skills development. This study can be generalized in all schools in the Kingdom to get better educational outcomes.

### **Expected Results:**

There was a significant improvement in the achievement level of the students who used the Mouse Mischief technique. It has encouraged students to participate and cooperate more actively, leading to greater motivation. All the student is thinking, they are all concentrating on and excited for a particular answer, Which enhances the understanding the English language skills in a safe and enjoyable classroom environment. The students will also acquire more vocabulary and grammar and become better at pronunciation. In other words, this technique increases their motivation to learn. Most of the teachers at the school were impressed by the technology, the school administration decided to apply this technology to the most important curriculum and not just The English language.

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**Appendix:**

**Interview Questions:**

- 1- Do you think that the Mouse Mischief technology is unique?
  - 2- Did you have any problems with using it?
  - 3- Is this technology has helped to raise the enthusiasm of the students in the classroom?
  - 4- Have you noticed a change in the student's academic level?
  - 5- Did you find that Mouse Mischief helped in developing English language skills?
  - 6- What is the difference between this technique and the traditional methods of teaching?
  - 7- Did you feel more comfortable with using Mouse Mischief very day?
  - 8- Would you recommend using Mouse Mischief?
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