

CAT 4 RESOURCE DEVELOPMENT

Group 4-090

Save Water, Save the Earth

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Abstract

This project is aimed to educate students about environmental conservation. As climate change is a growing issue all around the world, we think that it is very important for young students to understand and learn more about environmental conservation. Through our project, we hope that all students will try their best and save the Earth. We plan to conduct a 1-day workshop about environmental conservation. Students will be able to learn more about common issues, such as global warming, water depletion and pollution. This workshop includes exciting videos and activities that will engage students, making learning easier. There will also be a quiz to test students what they have learned at the end of the workshop. We hope to inspire students to conserve the environment and save the Earth. When they grow up, they will continue to conserve the environment and might also inspire others to do the same! Thus, this project is an essential part of ensuring a clean and sustainable environment for others!

1 Introduction

1.1 Rational

The Earth is getting hotter everyday. Many major problems are arising due to the increase in global temperatures. Global warming, water depletion, extreme weathers are just some of the growing problems the world faces. Climate change is a very serious and growing global issue. If we do not do something about this issue, the Earth will not be suitable for human habitation. Most causes of climate change come from human activities. Therefore, our group aims to educate young students, who are the leaders of the future, about environmental conservation.

1.2 Objectives

The objectives of our project is

- Educate students about environmental conservation
- Inspire students to save the Earth
- Slow down or prevent climate change

1.3 Target Audience

Our target audience is children aged 6 to 9 years old.

1.4 Resources

The resources created for this project was a set of lessons for our workshop. Our well-designed lesson plan includes an informative set of slides that engages students and a fun Kahoot quiz that will test the knowledge of students about environmental conservation.

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2 Review

Many websites on the internet do not provide enough information on environmental conservation and do not highlight the importance of environmental conservation. However, Our workshop is very special as we can enable the students to experience first hand activities. For example, we can teach them how to recycle by providing them with waste materials and teaching them how to recycle them. We also intended to bring the students to learning journeys to places like the Marina Barrage to further enhance their knowledge on environmental conservation. Unfortunately, due to the current COVID-19 situation, we are unable to conduct the learning journeys.

3 Methodology

3.1 Needs analysis

We conducted a short survey to check the understanding of students and adults on environmental conservation. We found out that most children from ages 6 to 9 who participated in the survey did not really understand what is environmental conservation. Some of the children from these ages even commented that “I don’t think that environmental conservation is important.” Therefore, we concluded that the workshop will be the most effective for children aged 6 to 9. We also found out that many people did not have a good understanding on certain topics regarding environmental conservation such as water depletion and pollution. Based on the survey, we decided to teach these topics in our workshop.

3.2 Construction of resources

When developing our workshop on environmental conservation, we received valuable feedback and tremendous help from teachers and friends. First, we read more about environmental conservation to further enhance our knowledge on the topics. We obtained useful information from the internet and various books. Secondly, we created a draft of the workshop. We developed a set of slides about environmental conservation and other relevant topics. Our project mentor, Ms Chan, gave suggestions to improve our slides and engage our audience. We then added on other interesting activities to the workshop. Finally, after months of hard work, we finished constructing our workshop.

3.3 Pilot test

Due to the COVID-19 global pandemic, with much disappointment, we were not able to test out our workshop to children aged 6 to 9. As many children were busy coping and adapting to full-time home-based learning, we could not find any children aged 6 to 9 to test out our workshop on. Therefore, we sadly inform you that we could not conduct a pilot test.

4 Outcome & Discussion

After a few months, we finally finished constructing the environmental conservation workshop. Our workshop consists of interesting and informative lessons and activities. We also included a fun and engaging Kahoot quiz at the end of the workshop.

However, due to the current pandemic, we were faced with difficulties such as not being able to hang out in groups of more than 5. Finally, after tough consideration, we decided to conduct the workshop indoors as we are unable to carry out our activities outdoors. However, the kids will still be able to experience first-hand activities indoors. For example, we can demonstrate how to recycle wastes and distribute them into their perspective bins.

If there was no global pandemic, we are sure that we will be able to include more activities and improve our workshop. We will be able to plan learning journeys to better engage students on environmental conservation. We could also increase the duration of the workshop as there are more activities included.

5 Conclusion

When developing our workshop, we have to keep in consideration many different things. For example, we had to ensure that we comply with the safe distancing rules. However, we overcame all these difficulties and successfully created the workshop. We also learned many skills and knowledge through project work. Our workshop is just a small step to promoting environmental conservation by spreading knowledge on environmental conservation. We hope to inspire students and others from this environmental workshop.

Most importantly, we would like to thank all the teachers and students that helped us complete this project. Without their support and valuable advice, it would be impossible for us to finish creating the workshop. We would like to thank our project mentor, Ms Chan, for advising and giving feedback while we were doing this project.

6 References

Most of our references are from the internet, although we have arranged it before putting in in our slides.

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