



Highly Commended

# Programming, Apps & Robotics Year 3-4

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Oliphant Science Awards

# The Game Realm

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## Introduction

Welcome to the [The Game Realm](#), where we make learning science fun! Our team has been working on a website so kids can learn science while playing games! Each game has a theme of science and the game is based around the theme of that game. There are currently 3 games available on our website. We improved our skills in coding, and the main thing our team learnt was that cooperation is important. The website via the link below contains games that are only prototypes, designed so that if we took any one of these games we could adapt it to a different science theme and it would still work. This means that the games could be used to teach many different topics in science. Hope you have fun playing! (Hint; read the extra info page if you want to read about the games and how to play all of the 3 current games.)

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## Website Link

<https://sites.google.com/view/oliphant-science-awards-osa/home>

## Software Used

Scratch; coding games

Google (Sites, Docs); building the website, making the report

ChatGPT (multiple models); finding fun science facts

## Bibliography

 [AMAZING HEALTH BARS in Scratch - Easy Scratch Tutorial](#)

 [Code a Fun Space Shooter Game 🚀 | 1. Move & Shoot | Scratch Tutorial](#)

## Problems & Solutions

We did not know how to make a website and embed games, so we asked a parent to show us how to use Google Sites, and then we were able to make the website ourselves.

Working together to make the games with our different levels of coding skills was a problem. We learnt to use everybody's different strengths to add to the project.

There were many bugs in the programming which meant that parts of the game did not work properly, and we had to go through our code carefully to find the mistakes, and sometimes choosing other ways to make the game

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work. Sometimes we would try to fix something and make a new problem to fix!

## **Acknowledgements**

Griffpatch for Scratch tutorial

Our parents for supporting and feeding us