

Highly Commended

Programming, Apps & Robotics Year 3-4

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Vincent and Beau's Space Maze Part 2

- The aim of the entry, and its scientific purpose and potential applications

To educate people about space in a fun and interactive way. For example, this could be used in schools.

- The type of robot or computer required to run the program

IOS, Windows, Mac OS

- Clear instructions on loading or using the entry

https://scratch.mit.edu/projects/554273312

Use the arrow keys to move the earth into the black hole and learn about space along the way!

- A hard copy of the program and an explanation of what the sections of the program do

This makes the earth move when the arrow keys are pressed.

```
when clicked

forever

If key up arrow pressed? then

change y by 10

else

If key down arrow pressed? then

change y by -10

else

If key right arrow pressed? then

change x by 10

else

If key left arrow pressed? then

change x by -10

else
```

This makes the earth go to the next backdrop when it touches the black hole.

```
when 📜 clicked
                         touching Ending Sprite -
  start sound recording1 -
  next backdrop
  go to x: (-192)
```

This makes the bullets fire.

```
backdrop
go to Laser Canon •
point in direction
                  direction -
repeat until touching edge
```

This makes the earth go back to the start when it hits a certain

This makes the earth go back to the start when it hits a certain object.

```
when clicked

forever

If touching 32F725CE-2E12-4A12-BDC3-CD287908BBB7 ? then

hide

go to x: -189 y: 131

show
```

This makes a certain object hide when the backdrop switches to another backdrop.



- Acknowledgment of any support or help you received on the project.

My dad (only a little bit).

- A photo, screenshot or video of your project.



- A bibliography that acknowledges relevant sources of information.