

Debugging Challenge – Cable Car Concerns!



Explore – Check out the [Cable Car](#) lesson. Build the model and practice coding. Then, try this debugging challenge!



Debug – A bug is an error in a program that doesn't allow it to function properly. Debug means to identify and fix the error in a program.



Extend - Develop a code and intentionally include a bug. Show your code to a classmate or friend to see if they can debug the program.

Challenge 1: A student used the Inspiration Coding Blocks from the lesson. They want the cable car to:

1. Travel all the way across and back
2. Repeat the journey 2 times

Can you find and fix the bugs?

```
when program starts
  A set speed to 15 %
  repeat 2
    A run for 1.8 rotations
    A run for 1.8 rotations
```

Challenge 2: A student wants the cable care to:

1. Travel all the way across
2. Wait for 1 second
3. Travel back to the starting point and stop

Can you find and fix the bugs?

```
when program starts
  A set speed to 15 %
  repeat 2
    A run for 1.8 degrees
    wait 1 seconds
    A run for 1.8 seconds
    wait 1 seconds
```