

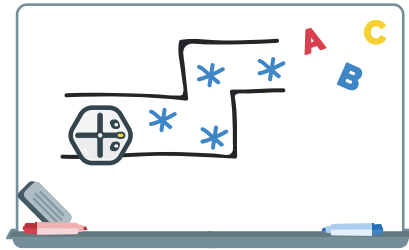
# Computer Science Education Week 2018

## Clear the Roads

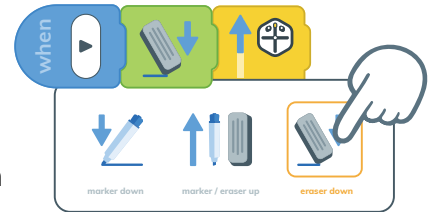
Use Root's eraser on a magnetic whiteboard to clear the roads from snow and ice.  
Can you take it further and make a self-driving root?

### Directions:

1. Work together to draw a maze on your whiteboard. Fill the maze with lots of snowflakes for Root to erase.

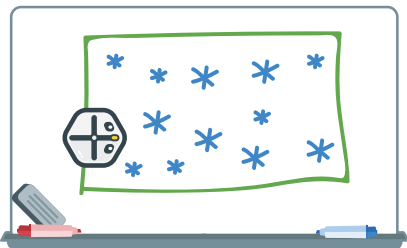


2. Next code Root to drive through the maze. Use the eraser block to tell Root when to erase the snowflakes.



3. Press Play to watch Root clear the snow. Does Root erase all of the snowflakes?

### Going Further: The Self-Driving Snow Plow



Draw a large, green rectangle on your whiteboard. Fill the rectangle with lots of blue snowflakes.

Can you use **Wheel Speeds**, **When Color**, **Turn** and **Erase Blocks** to bounce off the walls of the rectangle and erase all of the snowflakes?



**Wheel Speeds Blocks** turn Root's wheels on until you tell them to stop!



**When Color Blocks** tell Root what to do if it drives over whatever color you pick.



**Press Play** to test your Self-Driving Snow Plow Program. Does Root erase all the snowflakes?

