

I Can Code Advanced Sequences and Loops.

RULES

1. Sketch a path in the box below to be the basis of Level 11. The path should be slightly more difficult than levels 1-10. Check out the example for ideas.

Requirements:

- The path should change colors at least twice.
- The loop block should be used at least once. A nested loop would be even more interesting!
- The turns must be 45°, 90°, 180° or a combination of these.

2. Go to ozoblockly.com/editor on a computer or tablet.

3. Choose "Evo" below the OzoBlockly logo (see right).

4. Choose "Beginner" (2) or "Intermediate" (3) modes

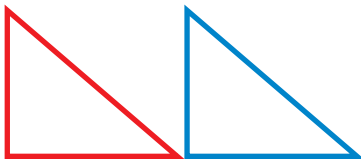
5. Write the program.

6. Test the program with your Bit or Evo and fix any problems (bugs).

Note: Your Evo may swerve a little bit off a straight line. Don't worry, that's normal. In future lessons you will learn how to help that.



Example



Set LED red	Forward 6 steps
Repeat 2 times:	Set LED blue
Forward 5 steps	Rotate Left 45°
Rotate Right	Forward 4 steps
Forward 4 steps	Rotate Right 45°
Rotate Right 45°	Rotate Right 90°

Some commands:

Repeat _____ times

Forward _____ steps

Rotate Left/Right (90°)

Rotate Slightly Left/Right (45°)

Rotate Slightly Left/Right (180°)

Set LED to _____



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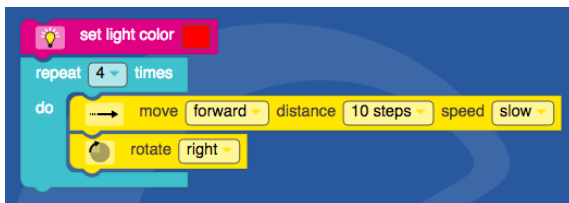
[illegible][illegible]

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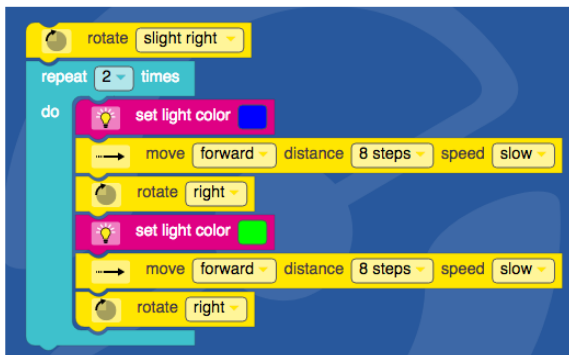
Level 1



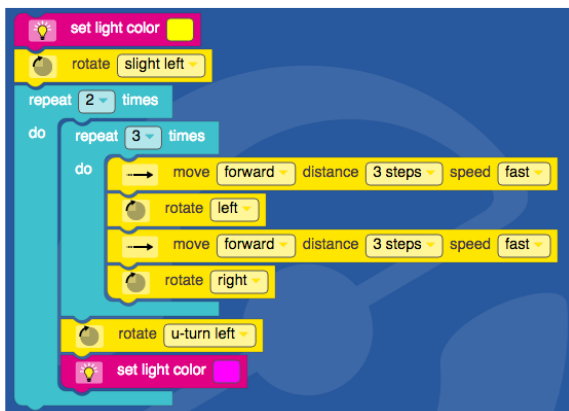
Level 2



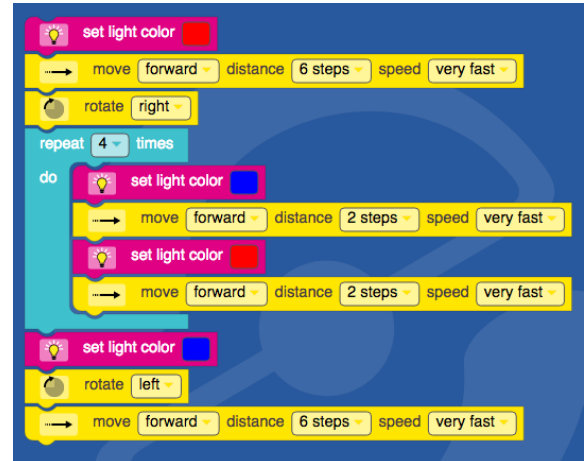
Level 3



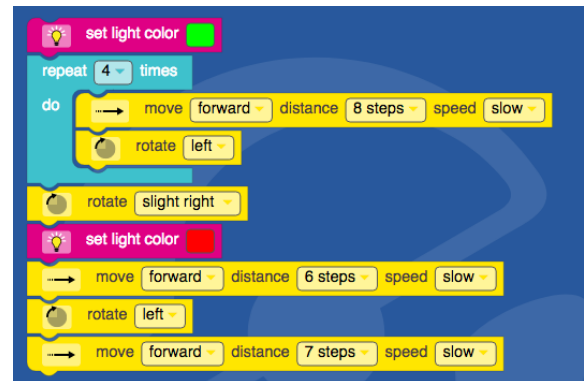
Level 4



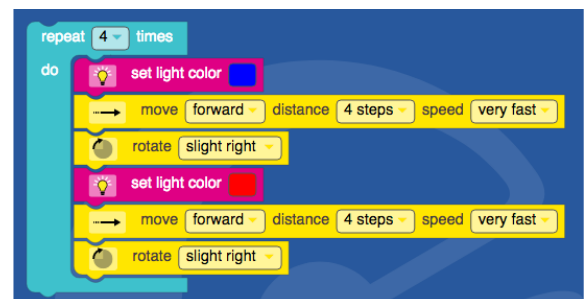
Level 5



Level 6

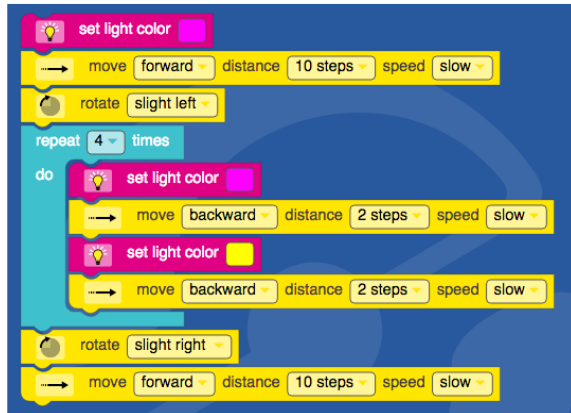


Level 7



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Level 8



Level 9



Level 10

