

Whiteboard Word Search

Challenge students to spell letters and solve a maze with unplugged, visual coding.

Teacher Prep

- Open the project “Whiteboard Word Search Code” and connect to Root. Press Play and set Root aside.
- With the project running in the background, students will be able to make Root start moving by touching its top and pause its movements by tapping its bumpers.
- Create a list of vocabulary words for students to spell.
- On your whiteboard, write a collection of letters, as well as start and end points. Make sure that you have enough variety to be able to spell each of your vocabulary words.

With the Class

- Demonstrate to students that when they touch Root’s top, Root will drive forward until it sees one of the three marker colors.
 - When Root sees BLUE, it will turn LEFT.
 - When Root sees GREEN, it will turn RIGHT.
- Distribute a Root, vocabulary list and BLUE and GREEN markers to students. Challenge them to give Root instructions to make it through the whiteboard course to “spell” each of their vocabulary words.



Code Level(s):

0-1

Subject(s):

ELA
Computer Science

Time:

30 mins.

Grade Level(s):

1-4

Students:

Groups of
1-4

Supplies:

- Root Robot
- Device with Root Coding App
- Blue, Green and Red Dry-Erase Markers
- Magnetic Dry-Erase Surface, like a Whiteboard

Educational Standards:

CSTA Computer Literacy

- 1A-AP-10
- 1A-AP-11
- 1A-AP-12
- 1A-AP-14

