



Math Algorithms

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Driving Question:

- How can I create an algorithm for the iRobot to find answers to addition and subtraction problems?

Overview:

This lesson focuses on teaching students basic addition and subtraction facts using the iRobot Root. Students will solve simple equations and then develop algorithms for the iRobot to find solutions to given equations. The lesson incorporates hands-on activities with the iRobot, requiring students to write and test code to navigate the robot to correct answers on a mat. Through these activities, students will enhance their problem-solving and creative thinking skills.

Materials

-  CS_Q1_Unit 2_2.AP.2c_Math Facts
-  CS_Lesson 2 Planning Sheet
-  CS_Lesson 2 Planning Sheet.pdf
-  Intro to the iRobot Root.pptx

Core SOLs

- 2.CE.1

Computer Science SOLs

- 2.AP.2

Lesson Plan:

Please see attached lesson plan for step-by-step procedures.