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Grade 1- Social Studies
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Overview: In this lesson, students will work together to write a program that will navigate a robot through a grid stopping in order at the different images that represent specific holidays.

Objectives:
SWBAT identify a holiday based on its description.
SWBAT program the robot to move to the location of a picture of a specific holiday.
SWBAT collaborate with peers to solve a programming challenge.
SWBAT utilize basic programming concepts to navigate a robot through a grid.

I can identify animals when given a description of its habitat.

Standards:
1.1b People and families of diverse racial, religious, national, and ethnic groups share their beliefs, customs, and traditions, which creates a multicultural community.

K-1.CT.10 Collaboratively create a plan that outlines the steps needed to complete a task.

Materials: Pictures of different holidays, iPad with CodeSnaps app, Sphero, CodeSnaps coding blocks, meter stick.

Estimate to Complete: Two 50 minute blocks

Procedure:
Teacher will review content vocabulary: holiday, Christmas, Kwanzaa, Hanukkah, Ramadan, Easter, Passover, Chinese New Year, St. Patrick's Day

Teacher will begin by providing a tarp with a grid on the floor of the classroom with different holiday's pictured.

Teacher will begin by providing clues about the holiday on the grid as seen in the table below. For example, "this holiday lasts 8 nights"

Students will be divided into groups of 3-4 students to work together to solve the clues.

Students will program the robot to move through the grid from start to finish making sure to stop at each of the solutions to the questions in the table before exiting the grid.

Closing:
Students will share the clues they had with the correct solution. Students will share out the code they used to solve. Students will share out any opportunities where they needed to debug their codes.

A-MAZE-ING HOLIDAYS

Directions: Solve each problem to determine the holiday you will need to stop at.

CLUES/ DIRECTIONS	HOLIDAY
1) Begin facing backwards at START	START
2) Find the holiday that lasts 8 nights.	
3) Find the holiday that occurs on December 25th.	
4) Find the holiday in which people pray and fast during the day.	
5) Find the holiday in which lanterns and dragons are commonly seen.	
6) Exit the Grid at FINISH	FINISH

Start

			Finish