# Winter Scavenger Hunt

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| Grades: | Subject(s): | Pre-Reader/ESL-Friendly? |
|---|---|---|
| **K—12** | **Computer Science** | **No** |

| Compatible Bot(s): | Coding Method: |
|---|---|
| **Bit, Evo** | **Color Codes** |

**Quick Summary:**

Students will be able to use markers and Color Codes to complete a scavenger hunt for an assortment of winter items.

**Duration:** **30 min**

## Objectives & Outcomes

1. Student will discover the fastest path from start to finish.
2. Student will use their knowledge of Color Codes to complete the pathway.

## Preparation

### Teacher Materials & Digital Resources

- Winter-Scavenger-Hunt-Possible-Solution

### Teacher Tips

Students should be familiar with Color Codes and have access to a Color Code Chart.

The House Lighting activity is a holiday activity that utilizes Ozobot Blockly to program the Ozobot instead of Color Codes.

For more advanced students, see if they can come up with more than two solutions.

### Direct Instruction

1. **Introduction**

   This activity will allow students to think critically to create the fastest path that will visit each item in the scavenger hunt. The items include gifts, cookies, lights, a snowman, hot cocoa, and ice skates.

2. Hand out the Activity Sheets to the students (one per pair or one per student).

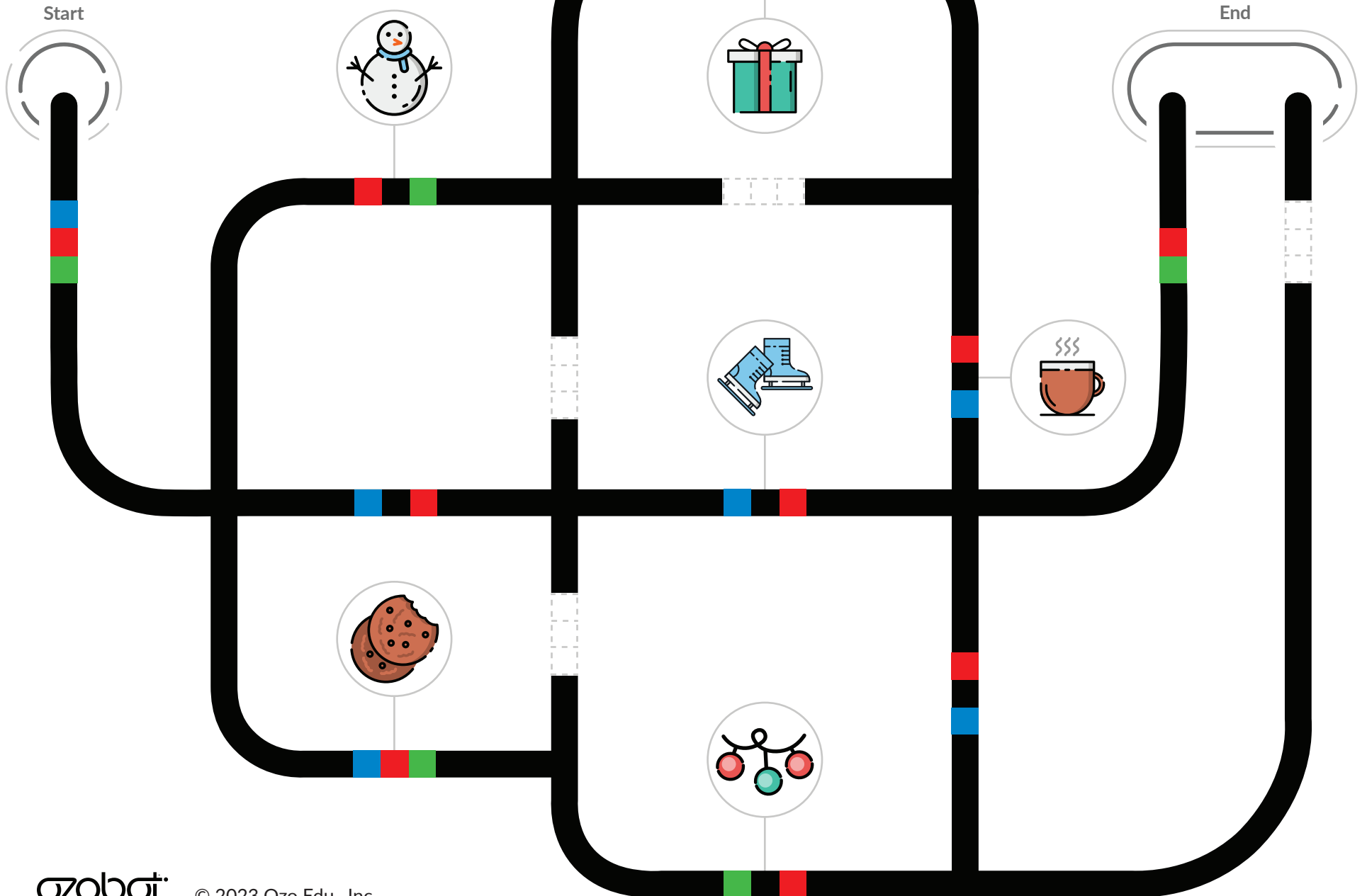3. Students will fill in the Color Codes in the white spaces on the map to guide Ozobot to every item exactly once.

④ Hand out the Ozobots and tell students that they should try to find the fastest possible solution to visit every item.

    a. There are multiple solutions.

    b. The circle around each object indicates which line is associated with it.

⑤ Students may work in pairs and can compete with other pairs to see which team has the fastest solution.

- **Academic Standards**

  - CCSS.MATH.PRACTICE.MP1

    Make sense of problems and persevere in solving them.

  - CCSS.MATH.PRACTICE.MP4

    Model with mathematics.

  - ISTE 6.A.

# Winter Scavenger Hunt
## Activity Sheet

Start

End

# Winter Scavenger Hunt

## What We'll Cover:

1. We'll discover the fastest path from start to finish.

2. We'll use their knowledge of Color Codes to complete the pathway.

## Activity Instructions:

1. See Direct Instruction

   **Winter-Scavenger-Hunt-Activity-Sheet-Student: https://stg-files.ozobot.com/lessons/ undefined/Winter-Scavenger-Hunt-Activity-Sheet- Student.ijumeu0GToqrBcWsFVsT6wfw.pdf**

# Winter Scavenger Hunt

**Activity Sheet**

Start

End