OZOBOT · STREAM
APPROVED

OzoClaus

Created by

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Topics

Robotics, Computer Science, Programming

Ages

K-5

Duration

30-45 min

OZOCLAUS

Students will use previous knowledge of Ozobots and OzoCodes to program OzoClaus to deliver presents on Christmas Eve.

Grade Levels: K, 1, 2, 3, 4, 5

Duration: 30-45 min

Materials: OzoBot (1.0 or higher), markers, printable course templates, scissors & tape (optional)

Objective: Help OzoClaus deliver presents to the houses on Christmas Eve, but beware of the Grinch !

Prerequisites: Knowledge of how OzoCodes work

OZOCLAUS

Your Mission:

Help OzoClaus deliver presents to the houses of the good girls and boys before the time runs out on Christmas Eve!

You must program OzoClaus to:

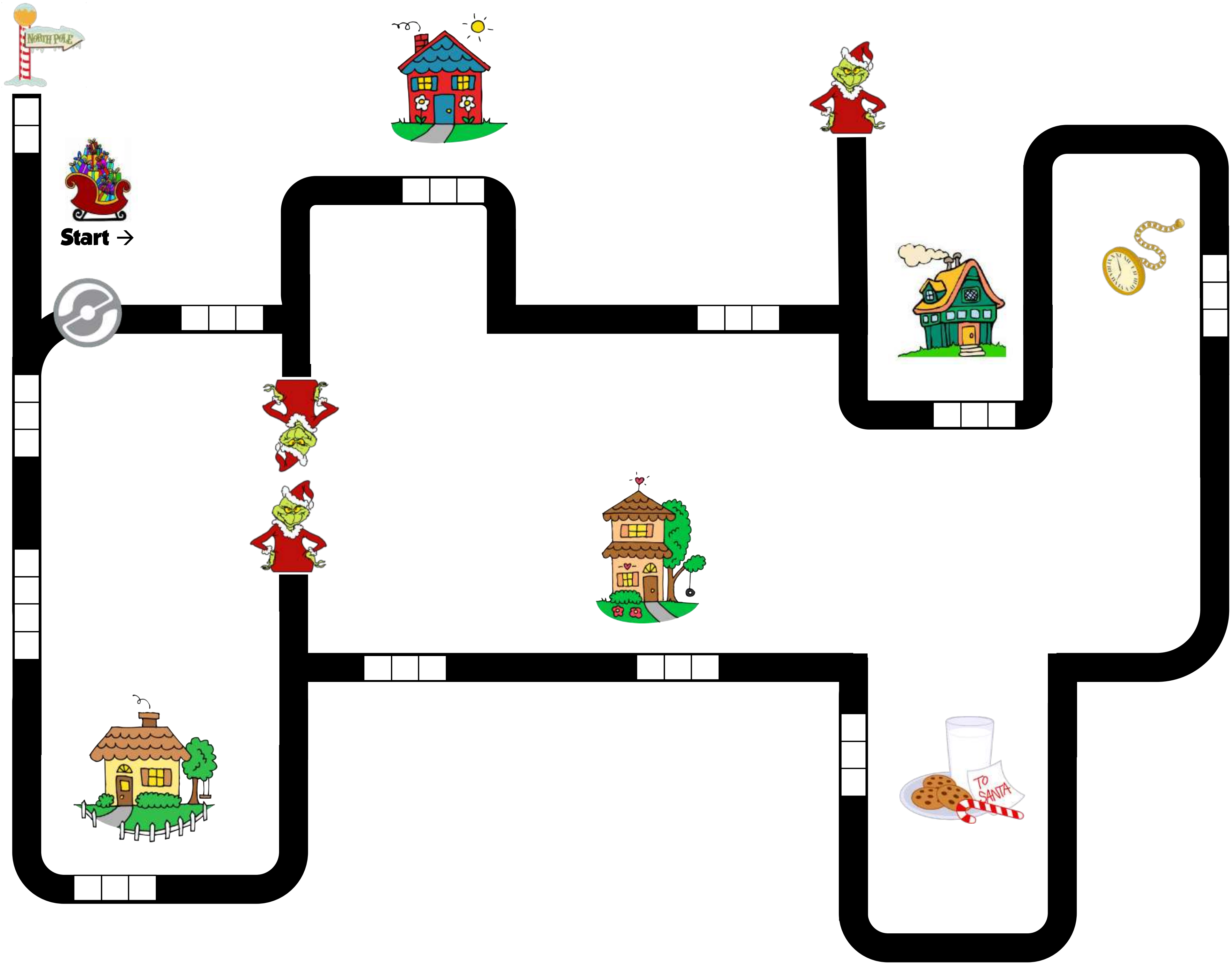
- **Avoid the Grinch**

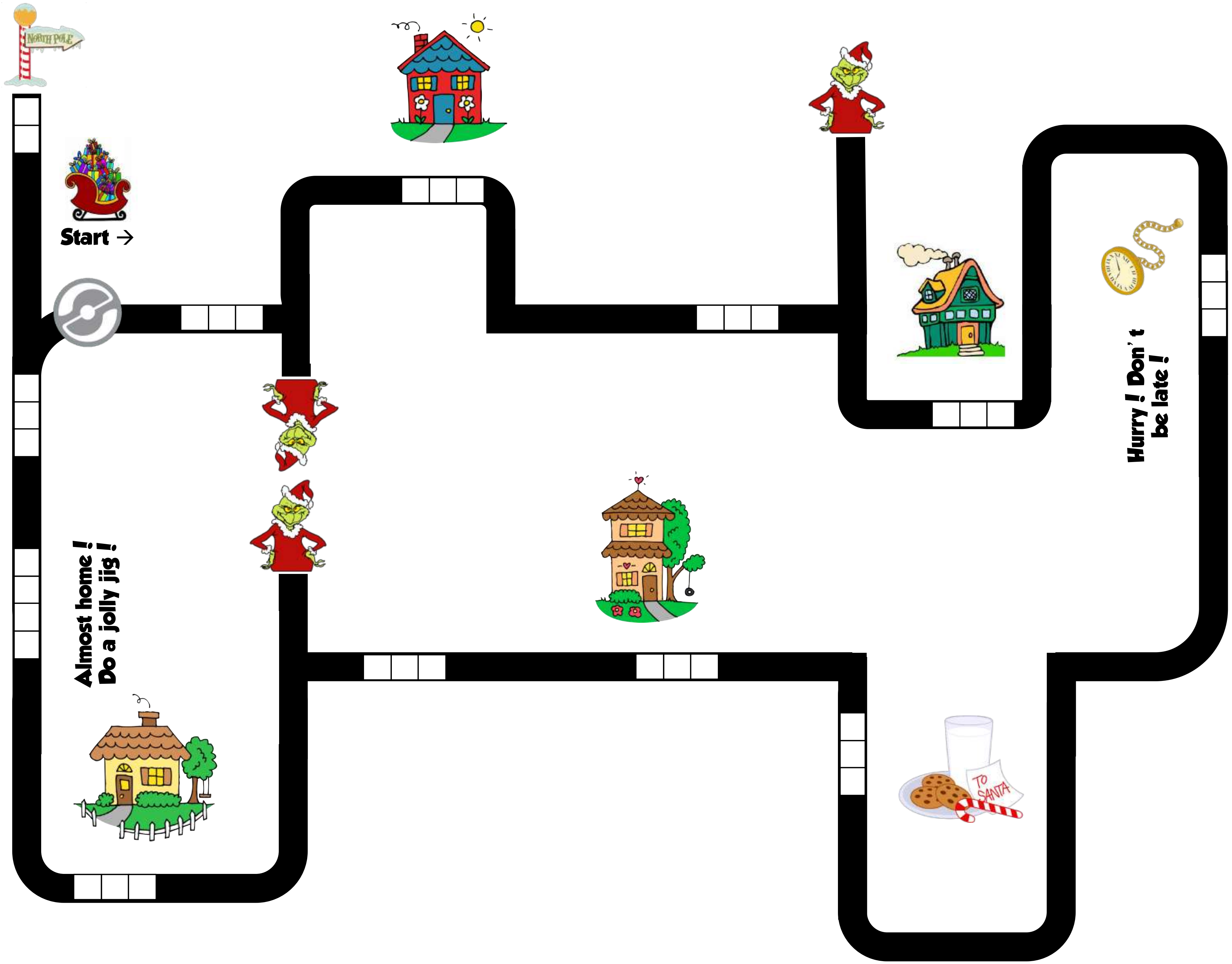
- **Stop at each house to deliver presents**

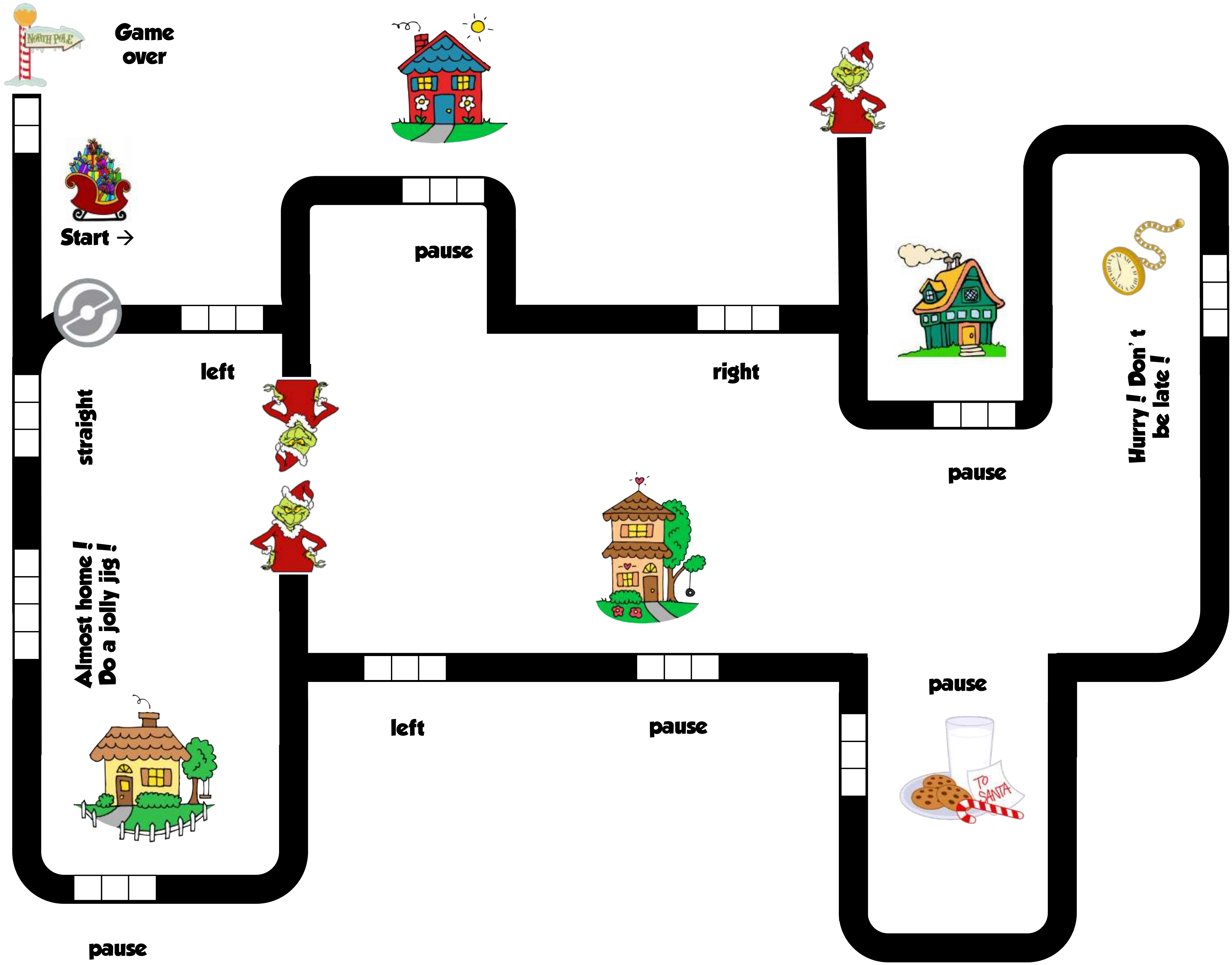
- **Take a quick break for milk and cookies**

- **Return to the North Pole before Christmas morning**

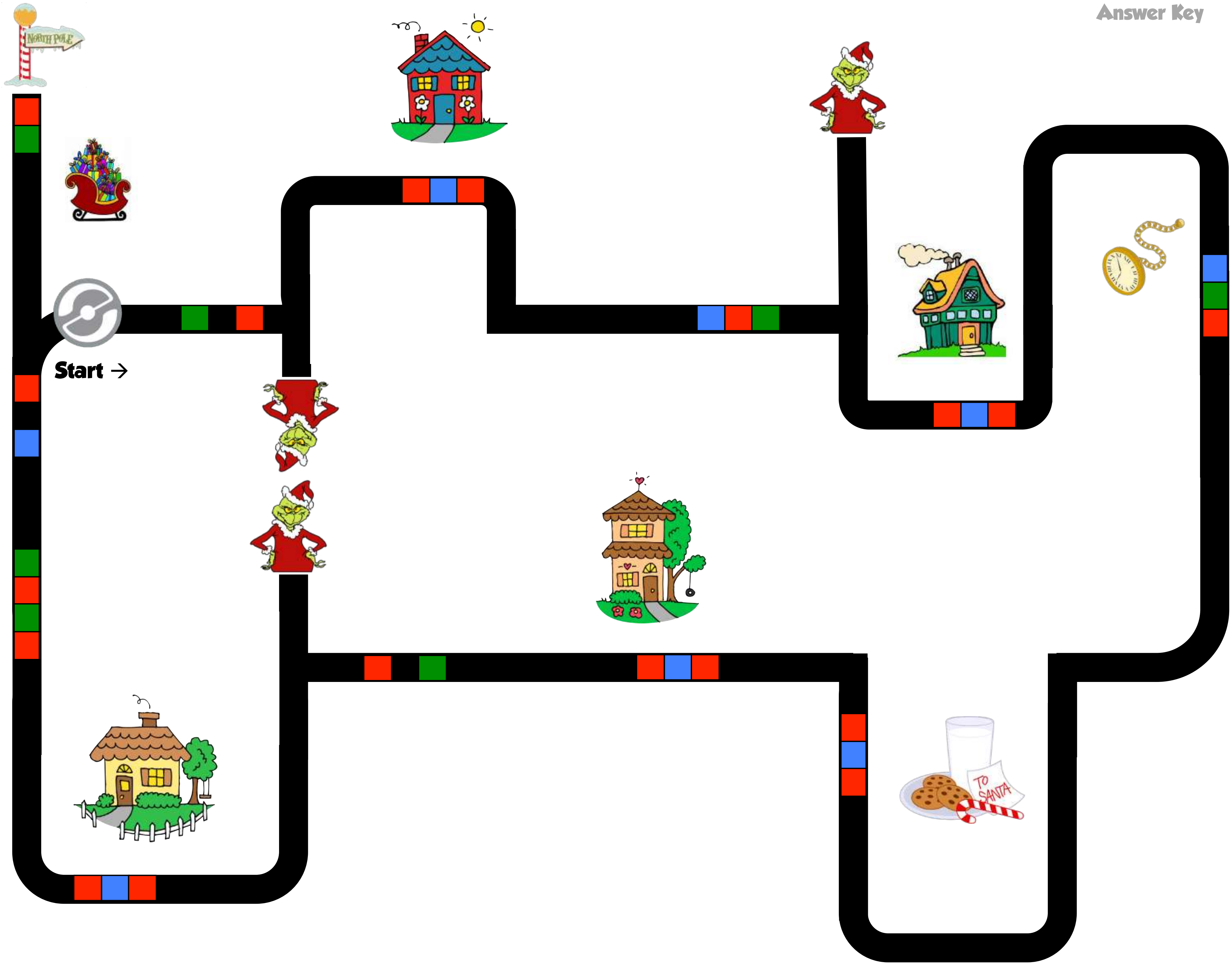
Use your OzoCode cheat sheet, and printed course template, to complete your mission.


NORTH POLE
Start →
TO SANTA

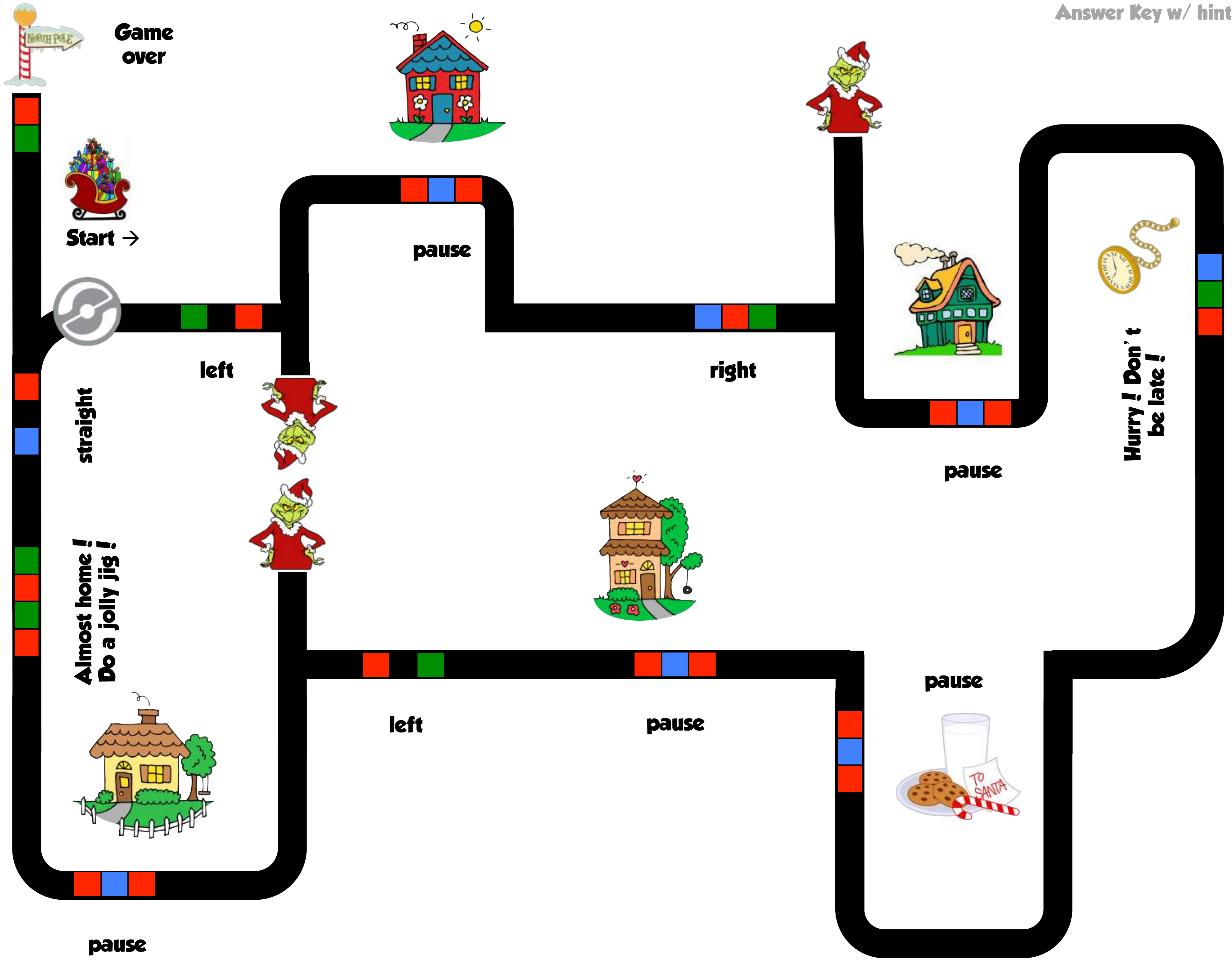

NORTH POLE
Start →
Hurry ! Don't be late !
TO SANTA
Almost home ! Do a jolly jig !


NORTH POLE
Game over
Start →
left
straight
Almost home ! Do a jolly jig !
pause
pause
right
pause
Hurry ! Don't be late !
pause
left
pause
TO SANTA

Answer Key


NORTH POLE
Start →
TO SANTA

Answer Key w/ hints


NORTH POLE
Game over
Start →
pause
left
right
straight
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Hurry ! Don't be late !
Almost home ! Do a jolly jig !
left
pause
pause
TO SANTA
pause

OzoCode

Cheat Sheet

🟩⬛🟥	turn left
🟦🟥🟩	turn right
🟥🟦🟥	pause (3sec)
🟦⬛🟦	fast
🟦🟩🟦	turbo
🟦🟩🟥	nitro boost
🟥🟩🟥🟩	tornado
🟩🟥🟩🟥	spin
🟥🟩	win/exit (game over)

OzoCode
Cheat Sheet
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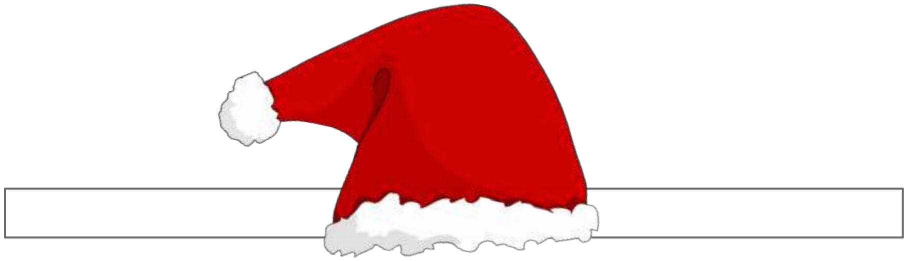
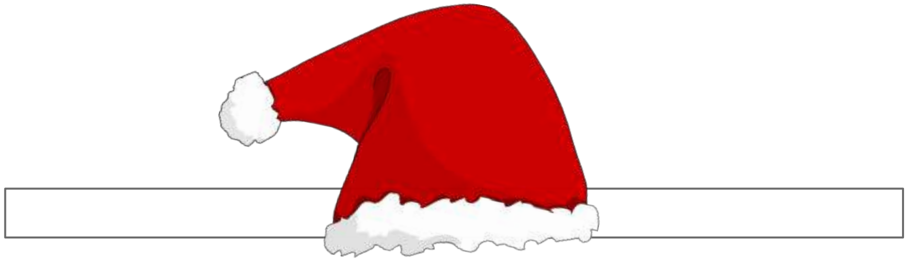
Optional Resources

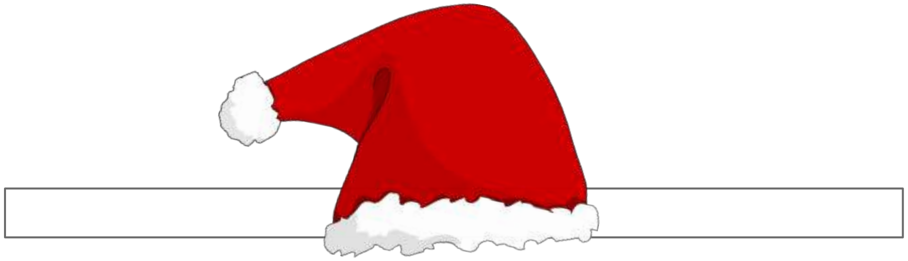
-Santa hat Ozobot costume

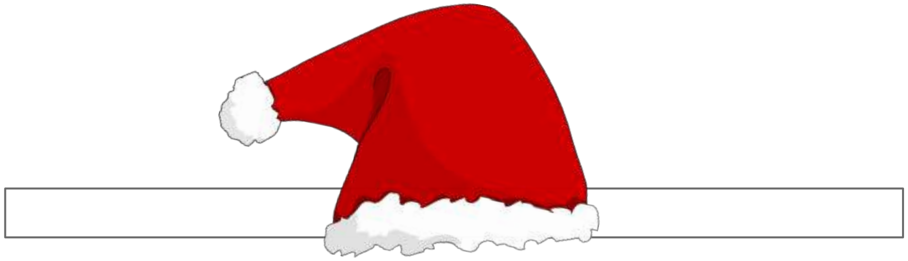
-Blank template for students to draw their own houses or make up their own course

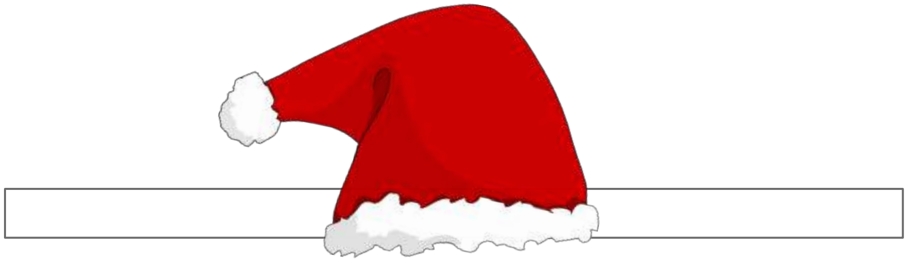
*Additional ideas: make 3D pop-up houses and characters for the course

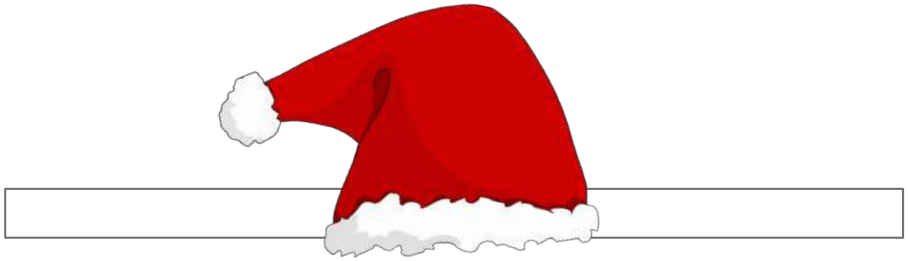


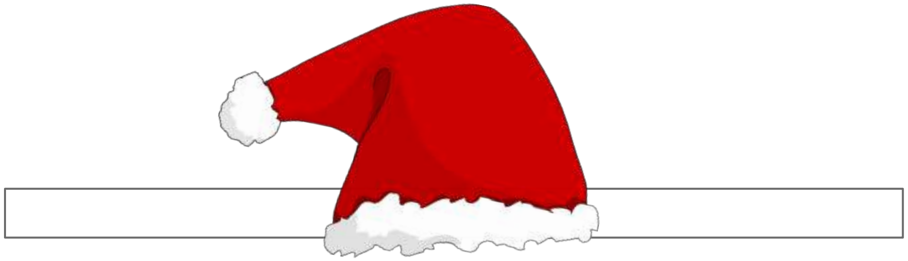


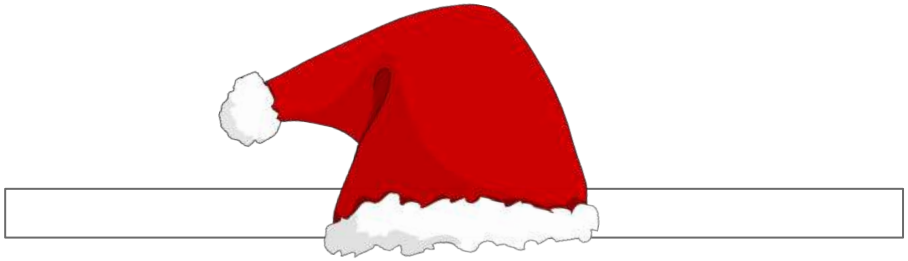


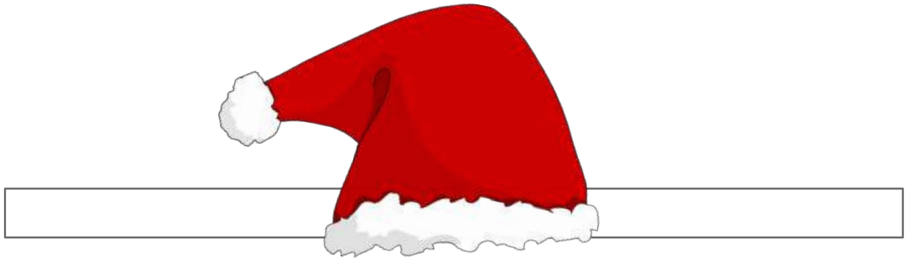


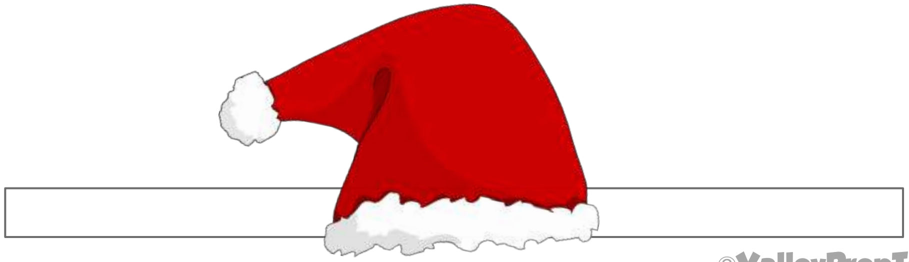


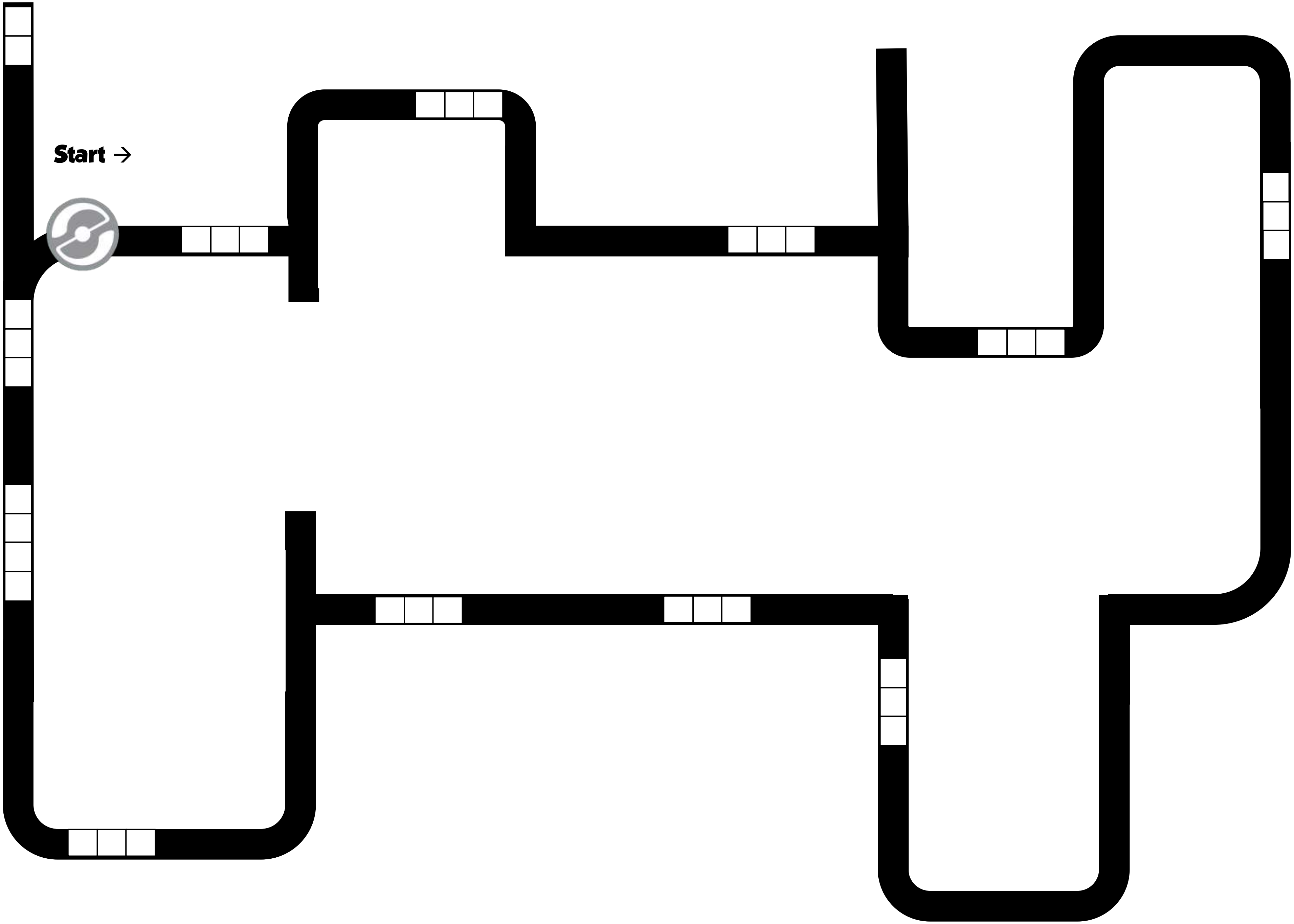











Start →

Questions?

Please feel free to contact me with any questions or lesson suggestions !

Valley Preparatory School

STEAM

Promoting a Global Understanding

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Use the hashtags #OzoClaus & #OzoNation to share photos of your students on social media !