

OZOBOT BRIDGE CHALLENGE

using color codes

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The Challenge:

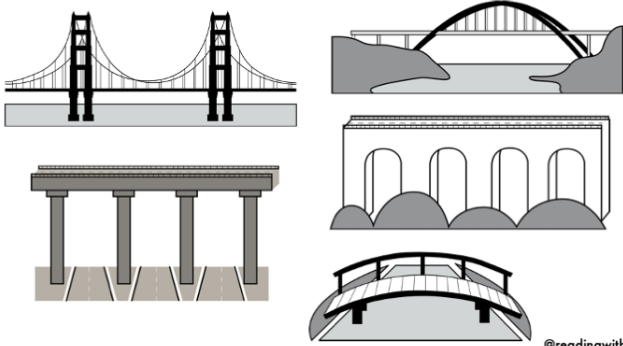
Create a paper & popsicle bridge that Ozobot can successfully travel across without the bridge collapsing.

Supplies:

- The Road template
- Extra paper
- Popsicle Sticks (thin or thick)
- Tape
- Ozobot
- Color-coding markers

Directions:

- Make the road with the template included. Cut the paper on the dotted lines and tape the black line together to create a longer road.
- Use extra paper, popsicles, and tape to create the rest of the bridge.
- You must be able to put a hand underneath the bridge. (It has to be elevated.)
- Use a speed code at the beginning of the bridge.
- Use a win/exit code at the end of the bridge.



@readingwithmrsif

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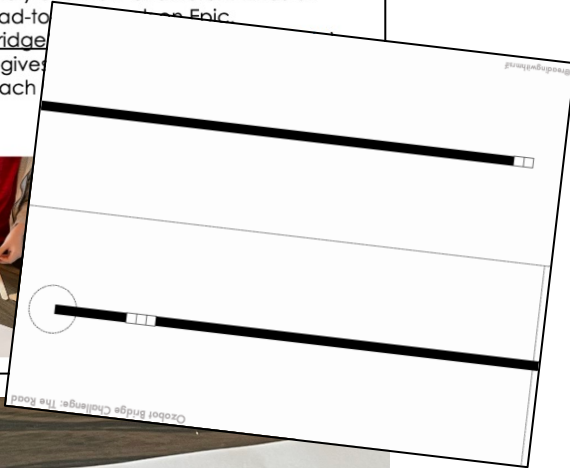
Teacher Tips:

- Use the new [Ozobot Color Code Guide](#) to help students with all things color-coding!
- The bridge can't be too steep. You can share this information ahead of time or let students discover it on their own.
- Ways to adjust the challenge:
 - Pre-teach about bridge types (or don't!).
 - Limit the number of popsicle sticks.
 - Add a length requirement for the road part of the bridge.

Book Recommendations:

- [Galloping Gertie](#) by Amanda Abler
 - A narrative text told from a young boy's perspective about the collapse and rebuilding of the Tacoma Narrows Bridge in Tacoma, Washington.
- [Bridges](#) by Seymour Simon ([on Epic](#))
 - A nonfiction text that includes many pictures of real bridges while giving a kid-friendly overview of different kinds of bridges. It's also a "read-to-learn" text.
- [How Did They Build That Bridge?](#)
 - A nonfiction text that gives a detailed look at the construction of bridges and how each one is built.

Helpful Pictures:



The Challenge:

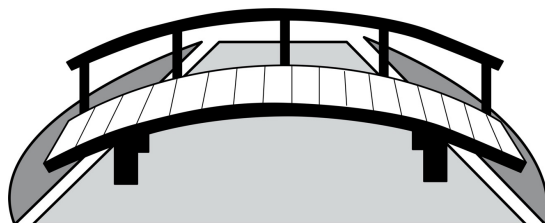
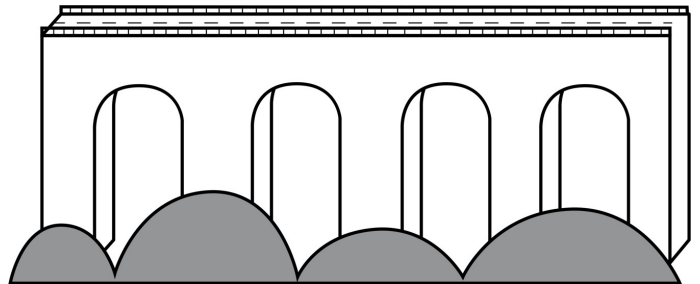
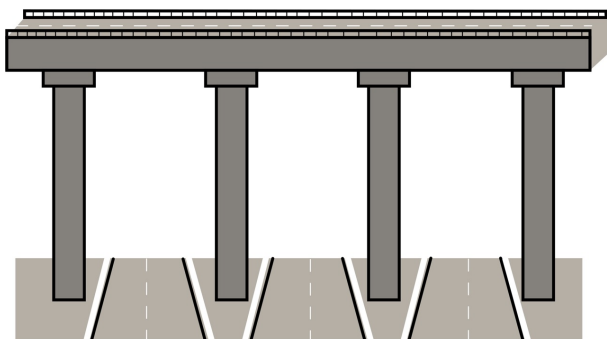
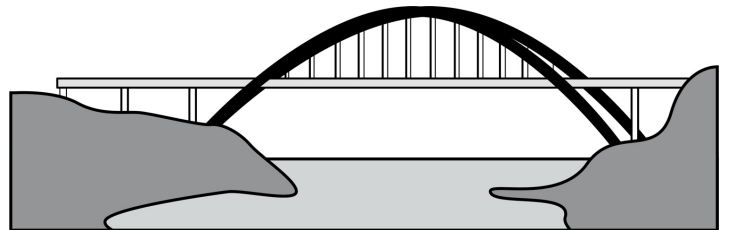
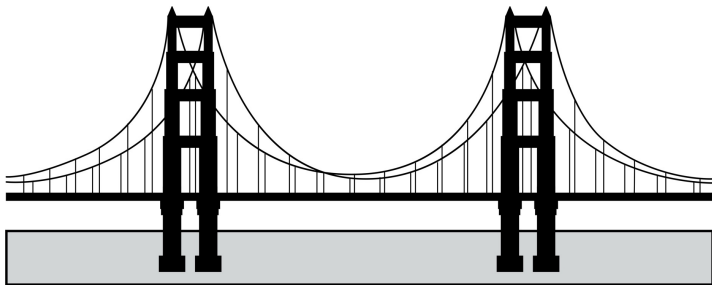
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