



Save the Salamanders

Problem

Your job is to design and build something that helps the Green Salamanders cross the road safely. Your creation can either go above or below the road. Building a bridge for cars to cross is not an option.

Things to Think About

Climbing Skills: Green Salamanders are great at climbing.

Underground Tunnels: Green Salamanders aren't afraid of the dark and love crawling in tight spaces.

Guiding Fences: Add fences to help guide the salamanders to the crossing spot.

Predator Safety: Make sure your design keeps the salamanders safe from animals that might hurt them.

Steps for the Challenge

1. Think of Ideas: Imagine ways to help the salamanders use their climbing skills and stay safe.
2. Draw Your Plan: Sketch your idea on paper.
3. Build It: Use the supplies to create your crossing design. Remember you can cut and break your supplies to make different sizes and shapes!
4. Test It: Check if salamanders could cross safely. Make changes if you need to.

Constraints

You will have these items to build your design:

- Mini marshmallows
- Toothpicks
- Scotch tape

Imagine

Brainstorm several ideas you have for a creation to help protect the Green Salamander. Draw a picture.

Design

Draw your group's best design. Make sure to label where you will use all the different materials.

Present Your Design

When your design is ready, show it to the class! Explain:

- How your design helps the salamanders cross the road safely.
- How you thought about their climbing skills and kept them safe from predators.

Reflection

Creativity: Did you come up with a clever idea?

Works Well: Can salamanders cross safely?

Protection: Does it keep salamanders safe from predators?

Use of Materials: Did you use your supplies in a smart way?

Have fun helping the
Green Salamanders stay safe!



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building bridges
across pennsylvania

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