Bunny Proof-Breakthrough!

Students design a way to keep the bunnies out (or let them in, if they choose to help them).

Think Like an Engineer:

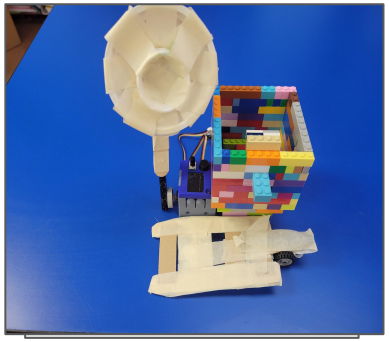
Build a **fence, gate, tunnel, or bridge** using principles of stability and strength.

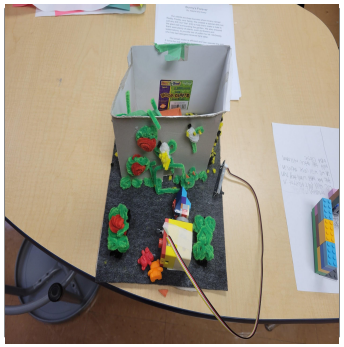
Think like a scientist:

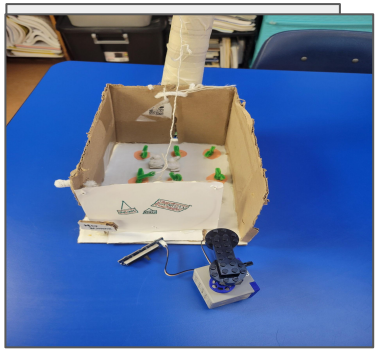
What type of fence will best keep bunnies out?

EXAMPLE IDEAS

Each design illustrates how to get the bunnies into Mr. Greely's house. They are called "Bunny Access Machines."







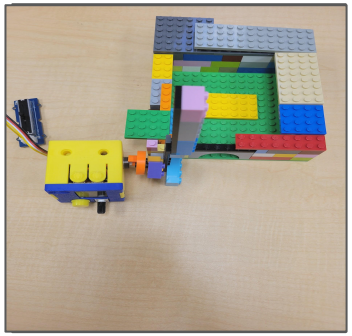
Flip over for more details!

MARYVILLE UNIVERSITY

Intermediate | AI | Innovative Creations

Made by: Nicole Binion, JP
03/31/25

BUILD IT!



CODE IT!

Students will **code a smart motor-powered device** to either:

1. **Protect Mr. Greely's garden** (automatic gate, moving scarecrow, sensor-activated fence).
2. **Help the bunnies get in cleverly** (bunny elevator, secret door, automated bridge).

Modify It

- Ideas for modification

CHALLENGE YOURSELF

Bunny Break-In Test" (If protecting the garden)

- Have students set up their **fences, barriers, or security systems** around a small "garden" (use toy vegetables or paper cutouts).
- Use small objects like **cotton balls (representing bunnies), wind from a fan (to test stability), or a rolling ball (to simulate movement)** to see if their design keeps the "bunnies" out.