

Teach a Family Robot

A screen-free game about examples, guesses and checking our work. One grown-up plays the robot; a learner is the teacher.

You need: these two pages, scissors used by a grown-up, and a pencil. No AI account, camera, upload or personal information is needed.

1. Prepare without giving the answer away

Cut out the ten mixed cards on page 2. Every border is the same. Add simple drawings if helpful; a grown-up can read the words aloud.

2. Teach with six cards

Use apple, sock, banana, shoe, cookie and pencil. The teacher labels each card snack or not snack. Keep cheese, teddy, pretzel and key out of sight for now.

3. Test on new cards

Shuffle the four held-out cards. Before revealing a label, ask the robot to guess. Record the first guess in the check table on page 2. Testing on unseen examples is different from repeating the training cards.

4. Find a tricky example

Draw a toy cookie or a picture of food. Agree what snack means in your game: something we could actually eat. Does your robot rely only on shape or color? Explain the mistake.

5. Improve, then test again

Add a helpful, varied example and explain its label. Make a NEW test card. Do not count memorizing the corrected card as proof that the robot learned the rule.

WHAT THIS MODEL SHOWS

Helpful, varied examples can improve guesses, but more examples alone do not guarantee better results. People check the labels and test new cases. A pretend robot is a model, not how every AI system works.

Talk together: What clue helped? What could still fool the robot?

Teach. Hold out. Test.

Same borders; mixed order. Add a drawing above each word if useful. Keep the four test cards separate until the first test.

<p>Add a drawing here</p> <p>apple</p>	<p>Add a drawing here</p> <p>sock</p>
<p>Add a drawing here</p> <p>shoe</p>	<p>Add a drawing here</p> <p>cheese</p>
<p>Add a drawing here</p> <p>banana</p>	<p>Add a drawing here</p> <p>pencil</p>
<p>Add a drawing here</p> <p>teddy</p>	<p>Add a drawing here</p> <p>cookie</p>
<p>Add a drawing here</p> <p>key</p>	<p>Add a drawing here</p> <p>pretzel</p>

FIRST-GUESS CHECK

Test card	Robot guessed	Agreed label
cheese	_____	_____
teddy	_____	_____
pretzel	_____	_____
key	_____	_____