

Create a How-To Video

SCIENCE



Overview

Students create step-by-step instructional videos teaching a process or skill, developing procedural writing and clear communication abilities.

Steps for Teachers

1. Brainstorm topics students could teach (tying shoes, making a sandwich, etc.)
2. Students choose a process they know well
3. Students break the process into clear, numbered steps
4. Students write a script with introduction, steps, and conclusion
5. Students create or select characters and props in Puppet Pals
6. Students record their tutorial with clear demonstrations
7. Test effectiveness by having classmates try to follow the instructions

Example

A student creates 'How to Make a Paper Airplane.' A character holds paper: 'Step 1: Start with a rectangular piece of paper. Step 2: Fold it in half lengthwise, then unfold. Step 3: Fold the top corners down to meet the center line...' Each step is demonstrated with the paper prop. 'Step 7: Give it a gentle throw. The secret is in the folds—each one helps your plane fly straight!'

Grading Rubric

Criteria	Excellent	Proficient	Developing
Clarity of Steps	Each step is clear, specific, and easy to follow	Steps are mostly clear with minor confusion	Steps are unclear, missing, or out of order
Completeness	All necessary steps included; nothing assumed	Most steps included; minor gaps	Missing important steps
Visual Support	Visuals effectively demonstrate each step	Visuals support most steps	Visuals don't help understand the process
Replicability	A viewer could successfully complete the task	A viewer could mostly complete the task	A viewer would struggle to complete the task