Stopmotion *Animation*

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Stop motion Animation Activity

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- Claire & Natasha, The Vivify Team

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Overview

Combine storytelling with STEM! Students choose from three STEM scenarios to create a stop motion animation video. Instructions are provided on how to use a free Chromebook extension to setup a stop motion activity. The same activities can be completed with iPads or Kindles with a stop motion app. Materials required are Chromebooks, trifold boards for a backdrop, and action figures or other movie props. Stikbots are the perfect action figure to use!
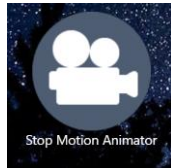
STOP MOTION ANIMATION

Create a stop motion animation film.

STEM Connection	Key Words
Animator	Depends on theme

Materials

Per student:

- ❏ Chromebook
- ❏ Mini Trifold board for backdrop
- ❏ Set Props
- ❏ Stop Motion Animator app on Chrome

Station Set-up

1. Open the Google Chrome browser on Chromebook. Click on "Apps". Open "Stop Motion Animator."

2. Set out activity instruction cards and props. Place a Chromebook in front of each trifold board. Direct camera facing outwards.

Activity Instructions

1. Read the task card. Decide on a scene to create using props provided.

2. Place first object in front of screen and hold still. Click on "Capture" button.

3. Move object slightly, and click capture again. Continue for several frames.

4. Click the "Play / Stop" to play back your scene.

5. When finished, press "Clear" to prepare for next student.

6. Use provided fishing line to hang objects in front of scene.
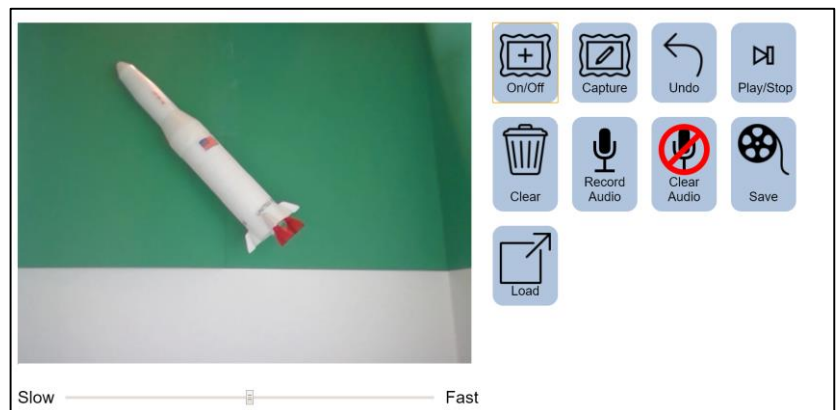
STEM Family Night Station

This activity is a great station for a STEM Family Night! For a complete planning guide along with 14 stations, check out our STEM Family Night Guide and Activities here.

Learn more about STEM Family Nights here.

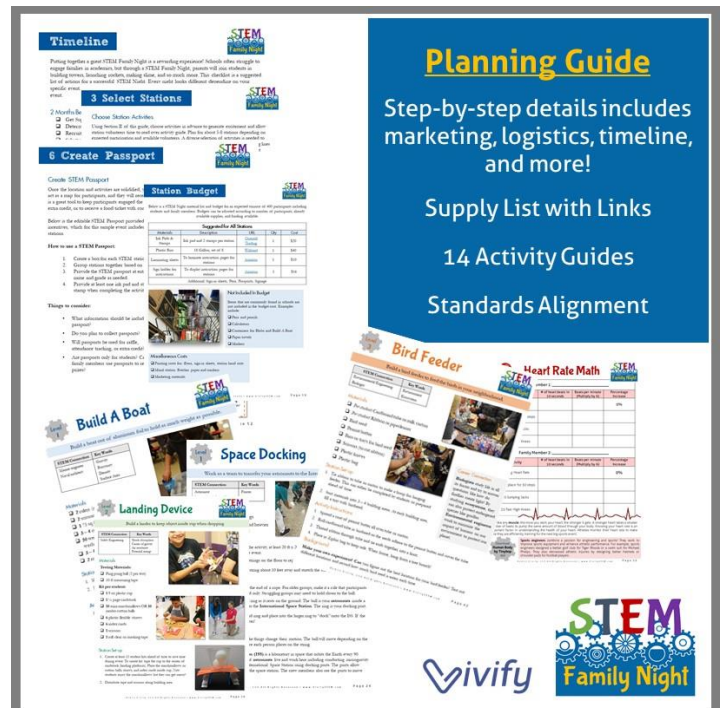The next page is a poster for this station to be a part of your event!

Stop Motion Animation

Download **Stop Motion Studio** app!

Create your own stop motion video

Stop motion animation is the process of taking a series of photos while moving a prop into different positions across the background. When the photos are played together as a video, it will look like the object is moving all by itself across the screen.

1. Using figures provided, decide on a story to film. See ideas below.

2. Set-up your first object. Press record.

3. Move the object slightly. Press record again.

4. Keep moving the object until you have a complete scene. Play it back for family!

In 1969, Neil Armstrong and Buzz Aldrin were the first humans to ever walk on the moon.
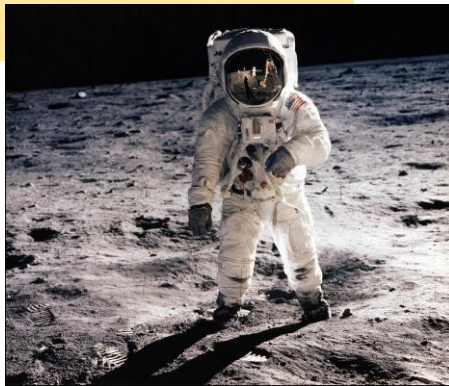
During a natural disaster like an earthquake, robots can be sent to search for and rescue humans from dangerous places.

Underwater robots are used by scientists to study marine life.

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Create your own stop motion video

Code.org