



Stopmotion Animation



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Stop motion Animation Activity

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STEM EDUCATION

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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

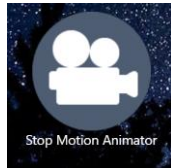
Create a stop motion animation film.

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

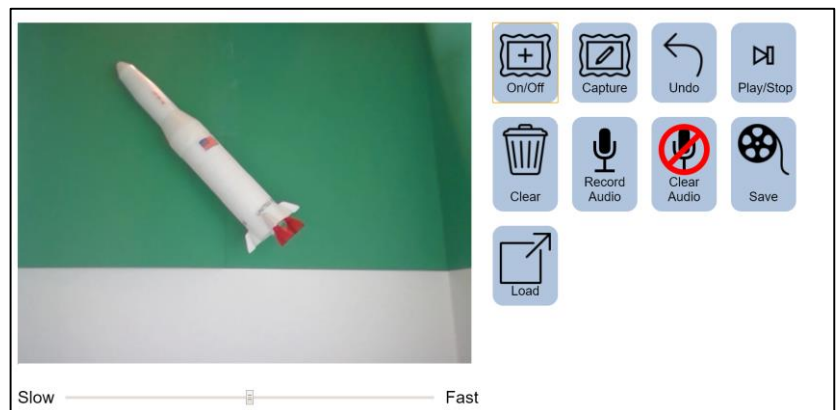


Station Set-up

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



STEM Family Night

BUNDLE!

Complete Planning Guide

14 STEM Activities & Station Handouts

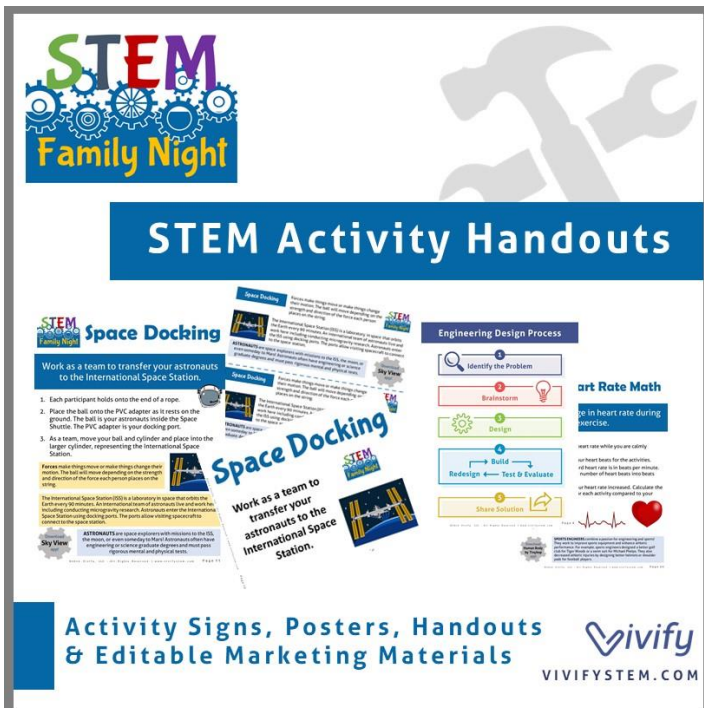
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This promotional graphic features a collage of images showing children and adults engaged in various STEM activities. At the top left is the 'STEM Family Night' logo with colorful gears. Below it is a yellow banner with the word 'BUNDLE!' in blue. The central text reads 'Complete Planning Guide' in white on a blue background. Below this are three small photos: one of a child working on a project, one of a child in a green shirt working on a project on the floor, and one of a child working at a table. At the bottom left, it says '14 STEM Activities & Station Handouts' in white on a blue background. At the bottom right is the Vivify logo and website address 'VIVIFYSTEM.COM'.

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!



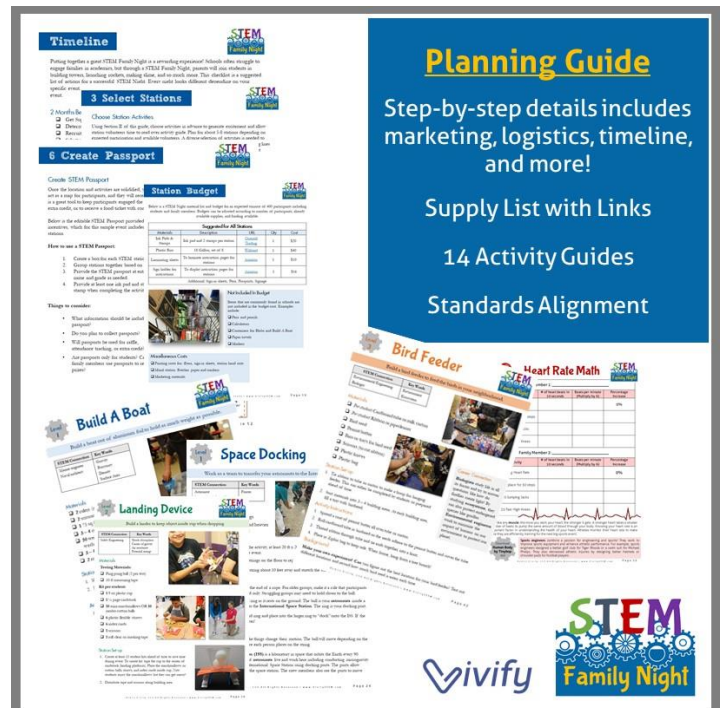
STEM Family Night

STEM Activity Handouts

Activity Signs, Posters, Handouts & Editable Marketing Materials

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This graphic displays a collection of activity handouts and posters. At the top left is the 'STEM Family Night' logo. The main title is 'STEM Activity Handouts' in white on a blue background. Below this, there are several handouts visible, including 'Space Docking' and 'Heart Rate Math'. The 'Space Docking' handout has a large blue banner that says 'Work as a team to transfer your astronauts to the International Space Station.' The 'Heart Rate Math' handout features a heart icon and the text 'Heart Rate Math' and 'Be in heart rate during exercise.' At the bottom left, it says 'Activity Signs, Posters, Handouts & Editable Marketing Materials' in white on a blue background. At the bottom right is the Vivify logo and website address 'VIVIFYSTEM.COM'.



STEM Family Night

Planning Guide

Step-by-step details includes marketing, logistics, timeline, and more!

Supply List with Links

14 Activity Guides

Standards Alignment

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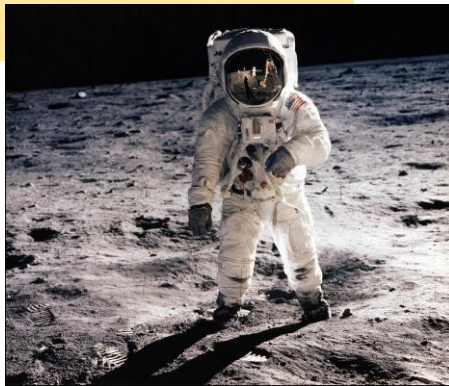
This graphic shows a 'Planning Guide' for the STEM Family Night. At the top left is the 'STEM Family Night' logo. The main title is 'Planning Guide' in white on a blue background. Below this, it says 'Step-by-step details includes marketing, logistics, timeline, and more!' in white. Further down, it lists 'Supply List with Links', '14 Activity Guides', and 'Standards Alignment' in white. At the bottom left, it says 'Activity Signs, Posters, Handouts & Editable Marketing Materials' in white on a blue background. At the bottom right is the Vivify logo and website address 'VIVIFYSTEM.COM'. The background of the graphic is a collage of various activity handouts and posters, including 'Build A Boat', 'Space Docking', 'Landing Device', 'Bird Feeder', and 'Heart Rate Math'.

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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stop motion video

