

TEL Activity - Activity Plan-2

STEAM Activity

Name: *Madhusudhan Peddinti*

Grade / Course: *STEAM Activity - Grade 9*

Length of Activity: *90 min*

Lesson Description:

Introduce the concept of animation as a part of the STEAM concept at school level. Review the principles of animation and use the Stop motion animation App to create a small (~1 min) stop motion animation movie based on the theme.

TIM: Constructive and Adaptation level

Intended Learning Outcomes

- Students will learn about global warming.
- Students will understand the meaning of animation.
- Students will use the Stop motion studio App.
- Students will produce a stop motion animation movie about the theme: Save the Earth.

Resources/Technology

LMS (NextLMS) for Live session

Student Laptop / Computers

Internet access

Mobile Applications: Stop motion studio App

Art and craft tools

Tripod

Worksheets 1 & 2

Procedure:

Students will learn about six different biomes, three forests and three bodies of water.

Students will use the Internet to research about "Global warming".

Students will write scripts for their stop motion animation movie based on their story.

Students will install the Stop motion studio App on mobile.

Students will make assets for the movie: small paper cutouts, drawings, or Play-Doh to create scenes.

Students will review the procedure of stop motion animation creation by referring to the videos in YouTube and procedure documents from LMS.

Students will shoot images and create movies.

Parents or siblings can help while shooting the images.

STUDENT ACTIVITIES

Read, review, respond, explore and self-assessment activities are listed below.

READ

What is global warming?

<https://www.livescience.com/37003-global-warming.html>

What is stop motion animation?

<https://www.slideshare.net/Madhusudhanpeddinti/tel-stop-motion-animation-meaning-and-procedure>

Reference video for the Global warming stop motion video.

<https://www.youtube.com/watch?v=fHhlqdHCvo8>

Stop motion animation procedure steps:

<https://www.slideshare.net/Madhusudhanpeddinti/tel-earth-day-stop-motion-animation-activity-students>

REVIEW

Basic stop motion animation general procedure:

<https://www.azimpremjifoundationpuducherry.org/teacher-reference/%E2%80%98stop-motion-animation%E2%80%99-new-step-my-classroom>

RESPOND

Refer internet and answer the following question:

What is a carbon footprint and how can you reduce my carbon footprint?

EXPLORE

Stop motion animation general procedure:

<https://www.azimpremjifoundationpuducherry.org/teacher-reference/%E2%80%98stop-motion-animation%E2%80%99-new-step-my-classroom>

Script writing:

<https://www.youtube.com/watch?v=pWcn5ow1EQ4>

Storyboarding:

<https://www.youtube.com/watch?v=4xQC41RZFO0>

ASSESS YOUR OWN LEARNING

Download the worksheets from the following links/LMS and take printouts to complete.

Q&A:

<https://www.slideshare.net/Madhusudhanpeddinti/steam-activityworksheet1>

Art:

<https://www.slideshare.net/Madhusudhanpeddinti/steam-activityworksheet2>

Student Assessment

Once you completed the Stop motion animation video based on the theme: Global warming, please share the movie/Gif file through **WattsApp** or **Google drive**.

Note: *If printer is not available to take worksheets printouts, take A4 sheets and complete the worksheets (please draw an image or structure on the A4 sheet if required).*

STEAM Activity

Worksheet : 1

Name: _____

Date: _____

Choose the correct option:

1. How many pictures in a second for a pro stop motion?

- A. 2
- B. 75
- C. 112
- D. 24

2. How does a stop motion work?

- A. You take a video and walk slowly
- B. You take photos and edit them
- C. Slideshow
- D. You take photos and put them together

3. A good stop motion should...

- A. Look like a movie
- B. Have pictures of you in it
- C. Have music
- D. Be creative

4. Stop Motion is also known as...

- A. Video
- B. Movie

C. Pictures

D. Frame by frame

5. Stop motions can also be...

A. 3D

B. 2D

C. Slow

D. Thick

6. The most visually striking evidence of global warming is:

A. The increased precipitation along the Gulf coast states

B. Highly varying temperature fluctuations felt during the winter months

C. Rapid melting of glacial ice on nearly every continent

D. All of the above

7. Greenhouse effect refers to:

A. Ability of atmosphere to retain water vapor

B. Ability of certain atmospheric gases to trap heat and keep the planet relatively warm

C. Ability of cloud to scatter electromagnetic radiation

D. None of the above

STEAM Activity

Worksheet : 2

Name: _____

Date: _____

Visualize the stop motion animation concept in 8 frames based on your concept (Theme: Global warming).

