

SCIENCE VIDEO PROJECT

In this project you will create a science story, film on tablets, and edit in iMovie to make your own 4 minute (or less) video!



People want to see stories . . . and science simply tells the best stories.
- Neil Degrass Tyson

Tablet Number

Team Members

SCIENCE VIDEO PROJECT

DAY ONE

Film Fest

Brainstorm

Your Story



SCIENCE SHORT FILM FESTIVAL

All of these are short science films like the ones you will make! Take notice of their:

Topic

Audience

Style

Length



BRAINSTORM Working in groups of 2-3, come up with a video topic you're all interested in.

What part of science do you want to make a film about?

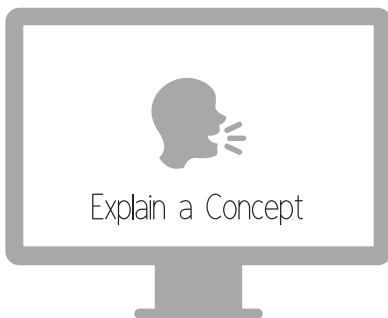
If you're stuck: What interests you? What questions do you have about the world? What is a big issue in science? Check out the Stock Videos on the iPad for inspiration!

Who is your audience?

If you're stuck: Who do you want to watch your film? Will a certain age or group of people be particularly interested in my topic?



HOW WILL YOU TELL YOUR STORY? Circle the style you'll use.



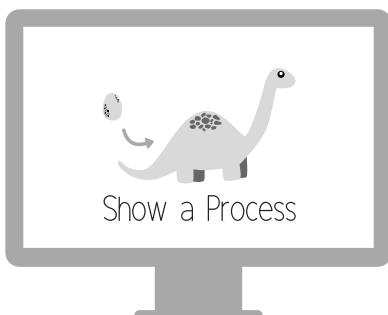
Explain a Concept

Great format for "What is...?" videos, defining ideas or concepts in science.
Great informative video style with definitions and examples.



Describe a Phenomenon

Describing BIG issues or ideas in science.
Could be good for "Top 5" style videos.



Show a Process

Great for "How to..." videos, experiments, or describing parts of science that are very big, small, or abstract. Drawings, animation, and stop-motion are great here!



Create a Narrative

Great for topics related to a particular scientist or that are historically related.
Exploring an area of science through a story.

SCIENCE VIDEO PROJECT

DAY ONE + TWO

Research

Storyboard

Script



RESEARCH

What question are we answering in our video?

Important facts, figures, or information

What images/visuals will we use?

Other Notes

Other info/Extra Space

SCIENCE VIDEO PROJECT

DAY ONE + TWO

Research

Storyboard

Script



STORYBOARD

"And. But. Therefore" Method

Helps to make an intro to your video/rough organisation

Example: Topic: Going to Mars. We are running out of resources on Earth AND will probably need to go to a new planet soon. Since Mars is the closest planet it makes sense to go there BUT it doesn't have all the resources we need. THEREFORE, we need to....(video describes technology needed to live on Mars).

If you're stuck: Try talking with your group about the main idea of your video before you write anything down. What is it about?



STORYBOARD

Describe briefly what happens at the Beginning, Middle, and End of your video

B

M

E

SCIENCE VIDEO PROJECT

DAY TWO + THREE

Research

Storyboard

Script



SCRIPT Plan what will be said, seen, and heard in your video. Less than 4-minutes!

Scene

Words

Pictures

Sounds

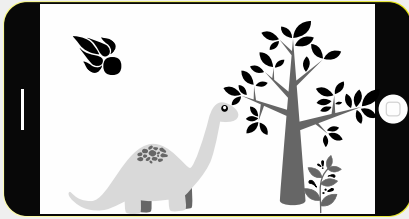
SCIENCE VIDEO PROJECT

DAY THREE + FOUR

Film Edit

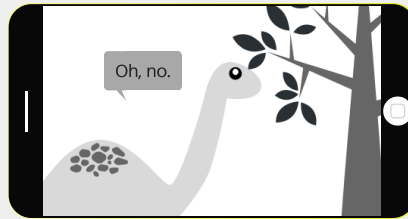
 **FILM** Using tablets, record video, audio, and photos and download any pictures required.

Tips for filming:



Wide Shot

Introduces characters, where they are, and action. Gives the audience **CONTEXT** of where the story happens.



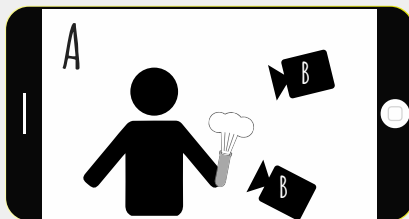
Mid Shot

Great for **CONVERSATION** between characters or speaking to camera.



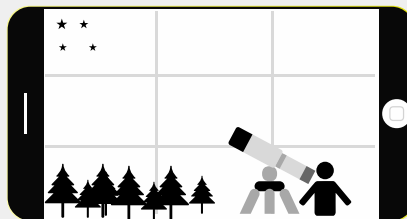
Close Up

Good way to show **EMOTIONS** or **THOUGHTS** and helps audience connect to character.



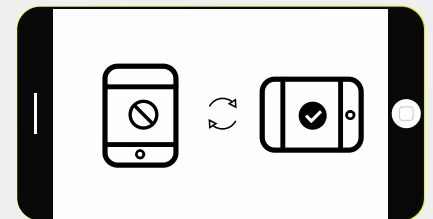
Shoot B-Roll

B-Roll is **EXTRA RELEVANT FOOTAGE** that you can use to fill in gaps in your film. You might have audio that works, but need extra footage that goes with the audio. You can never have too much b-roll!



Rule of Thirds

Avoid putting your subject in the centre. **DIVIDE SCREEN INTO THIRDS**, and place actors somewhere near the lines.



Film in Widescreen!!

Widescreen allows us to use the tablet's full camera power. With the Camera app open, **DOUBLE TAP THE SCREEN** to enter Widescreen mode.

Notes

SCIENCE VIDEO PROJECT

DAY THREE + FOUR

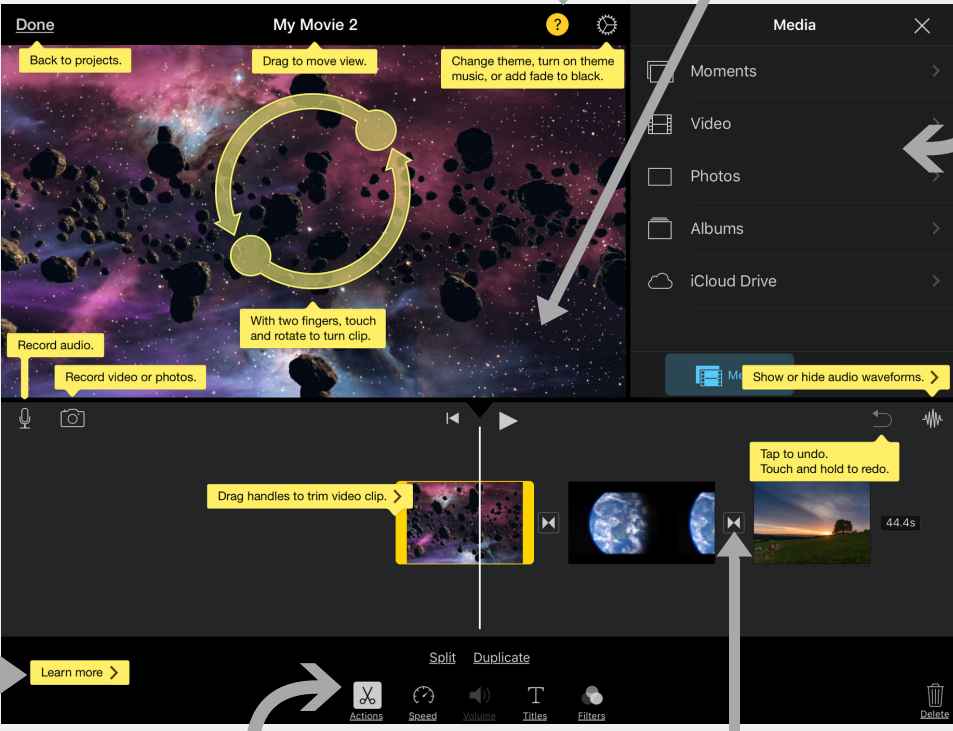
Film Edit

 **EDIT** Open iMovie and select New Project > Movie. Add your video clips and images and then start editing them into a video. Less than 4 minutes!!

Tips for iMovie

Press at any time to turn on help bubbles

If you have an image instead of a video clip, the menu will look like this -> Press "Ken Burns Enabled" to turn on/off this effect (zooming/moving image)



Find video and photo that you have recorded or downloaded here.

Official iMovie guide

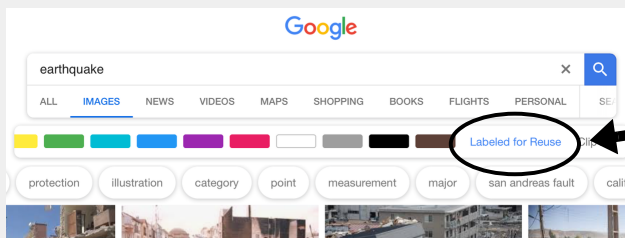
Change clip speed, add text, and add filters!

Tap to add or edit transitions between slides

Adding Stock Videos

- > Go to iMovie > (+) Media > Video > Stock Video
- > Select a Category
- > Tap video to add to movie

Photos from Google



- > Open Chrome Browser
- > Search for desired Image
- > Under search bar press "Labeled for Reuse"
- > Long Press on Desired Image > Save Image
- > iMovie > (+) Media > Photos > Select