Science Video Project

Teacher's Guide

Day One
Film Fest   Brainstorm   Your Story

Day One + Two
Research   Storyboard   Script

Day Three + Four
Film   Edit

The purpose of this project is to engage students with scientific concepts through the process of a creating a short science film.

A few things to remind your students of as they do their project:

1. Videos should aim to be <4 minutes
2. Describing a concept well is more important than production quality.
3. Students should aim to finish their projects in 4 class periods
(but its okay if they don't finish 100%)
4. Have fun and be creative!

The following page describes the different activities and suggested timings (minutes) for each in order to complete the project in 4x 1hr class periods.
Though please go at the pace required for your class!

Science Video Project

Science Short Film Festival (10)
Using the provided slides, show the students a series of short science videos that other's have made.

Brainstorm (5)
Students form groups of 2-3 to make their film and brainstorm what topic they'd like to work on.

How Will You Tell your Story? (5)
Groups decide how they're going to tell their story by selection 1 of 4 video styles.

Research (20)
Students work through a series of questions to research their chosen topic.   Students can use any resources they have available.

Storyboard (20)
Groups use two methods to start generating the story that they will tell about their area of science. And, But, Therefore is a way for them to come up with the main important message of their film.   They will also write out roughly what happens in the Beginning, Middle, and End of their story.

Script (30)
Students plan what will be said, seen, and heard in their videos.   The more accurate their script is, the faster their filming will be!

film (30)
Using tablets, groups film the required clips and photos they need for their films.
NOTE: Tablets have ~50 GB of storage so deleting unneeded video will save space!

Edit(45)
Groups bring together their film using the application iMovie.   Feel free to help students as much as you feel comfortable with the app, but also encourage students should be encouraged to problem solve through looking at help menus, searching online, and asking students outside their group for tips and tricks to using the application.