

HOW TO USE THE I5 DIGITAL FILM COMPETITION

Fit It Into Your Time Frame!

The i5 Competition can be implemented in many different ways including:

- *In the classroom*
- *In an after school program*
- *As a team science project*
- *As a weekend project for students to work on outside of school*

Customize It!

This competition can be customized for any time frame that you have available. The timeline for i5 is flexible and fluid, which allows it to be tailored to your individual schedule.

Our goal at the STEM Center is to assist you in completing the competition on your time!

Start Anytime!

While the video entries are not due until late March, the students can begin working on the competition at any time (students often start during the second half of the school year).

We Can Provide Help!

Carnegie Science Center representatives are available to work hands on with you to carry out i5. They can also visit your school and introduce the competition at any point throughout the school year.

We Can Provide Equipment!

In addition to assistance from representatives, the Carnegie Science Center also has a limited number of **iPads with the iMovie editing program** that may be used throughout the competition to film and edit the students' videos.

We will also work with you to develop a schedule for iPad use or to setup appropriate resources needed for the completion of the competition.

Sample Schedules for i5

Method	Part 1: Choosing a STEM Topic (~3 hours)	Part 2: Filmmaking & Cinematography (~2 hours)	Part 3: Filming and Editing (~4 hours)
In the classroom	4 classes x 45 minutes (2 weeks)	3 classes x 45 minutes (2 weeks)	5 classes x 45 minutes (3 weeks)
In an after school program	3 days x 1 hour (2 weeks)	2 days x 1 hour (1-2 weeks)	4 days x 1 hour (2-3 weeks)
As a team science project	6 meetings x 30 minutes (3 weeks)	4 meetings x 30 minutes (2 weeks)	8 meetings x 30 minutes (4 weeks)
As a weekend project	Variable	Variable	Variable

This schedule is very basic and flexible – use it as a jumping off point.

Spending more time on each section will increase the quality of the video!

Using i5 In Your Classroom:

Your Class	Sample Topics
Science	Curriculum-based video: <ul style="list-style-type: none"> • Earth science • Weather • Human impact on the environment • Energy • Human health • Ecology
Math	Applications of math in: <ul style="list-style-type: none"> • Building of bridges • Music • Roller coaster design
Media	<ul style="list-style-type: none"> • Development of filmmaking technologies – animation or special effects • Representation of science in cinema (robots, space travel, technology)
Engineering	<ul style="list-style-type: none"> • Examine the city’s infrastructure design • Breakdown the mechanical system of a rocket or an engine • Applications of life sciences to novel biotechnologies
Art	<ul style="list-style-type: none"> • Creative side of engineering – architecture or designing for the human condition (focus on user experience) • Chemistry of art materials
Social studies	Effect of innovations on history <ul style="list-style-type: none"> • Medicine • Technological advances • Transportation • Communication
English	Choose any topic and use i5 to practice: <ul style="list-style-type: none"> • Writing a screenplay • Communicating a topic to an audience • Using Venn Diagrams, T-Charts or other graphic organizers to organize research