



STEM Career Presentations – Guide

Introduction

The STEM presentations are designed to motivate students into pursuing a STEM career. There are three presentations available, based on grade level: K-2, 3-5, and 6-12.

Duration

Each presentation can run anywhere from 45-60 minutes, but there are many variables that allow for an even wider range. Prior to presenting to your class, you may want to consider a dry-run of the presentation.

Narrative

For each presentation, there is a narrative to go along with the slides. You can follow it verbatim, ad-lib it, or simply read the text from each slide. The choice is yours.

Requirements

Every presentation has videos attached to certain slides. You will be able to identify which slides have videos by an asterisk in the top-right corner. The video link can be found in the space directly below the slide, where notes can be written for each individual slide (note: link will not be visible in full-viewing mode).

Every video link will take you to YouTube, so make sure your school allows access to YouTube.

Equipment/Items

For each presentation, a 3D printer and sample of aerogel would be ideal. For the 3D printer, once you get to the 3D printer slide, you would demonstrate what material is used, and then demo the 3D printer by producing an object that takes very little time to complete. For the sample of aerogel, you would simply hand it out to students after presenting the aerogel slide. Aerogel samples can be purchased for less than \$100 from a variety of websites. Simply Google “aerogel for sale” to find websites that sell aerogel.

Once the presentation is concluded, you may want to consider raffling off some space ice cream, which can be found on Amazon.com for less than \$100. This is a nice way to end the presentation for your students.

If you have any questions, please email: jweichman@elcamino.edu.