

## Careers in Science (High School) Teaching Guide

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### Learning Objectives

In this lesson students will:

- Apply active listening skills to learn about a variety of occupations that rely on scientific knowledge and processes for successful job performance.
  - Participate in a whole-class discussion to brainstorm other occupations that depend on research and analysis, and examples of workplace scenarios in which these skills might come in handy.
  - Navigate the MajorClarity platform to research three science-related occupations and determine the following information: average annual wage, state-level job presence, common tasks, career work styles, and related careers.
  - Complete a “test drive” activity for each of the following pathway:s to determine and rate compatibility: **Biotechnology**, **Chemistry**, and **Personal Training**.
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### Materials

- Student computer access (class set of headphones/earbuds recommended)
  - Teacher computer access w/ A/V presentation capabilities
  - Web browser (Chrome, Firefox, Edge recommended)
  - **Careers in Science (HS) Teaching Guide**
  - **Careers in Science (HS) Slide Deck**
  - **Careers in Science (HS) Student Worksheet** (class set; digital or hard-copies)
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### Tasks

#### Instructor-guided

- Pass out the Student Worksheet.
- Review learning objectives and assignment expectations.
- Present the Careers in Science Slide Deck.
- Lead a group discussion about observed similarities and differences among the science-related occupations featured in the presentation.

#### Student-driven

1. Complete section 1 of your Student Worksheet as you view the slideshow presentation.
2. Login to MajorClarity and complete steps 1 - 3 for each math-related pathway and occupation you learned about in the presentation: Navigate to the pathway; Click and read each section of the career page for the selected occupation and record the missing information in section one of your worksheet; Return to the pathway page and click the “Start Activity” button to test drive the pathway.
3. Once you have completed the activity, rate your compatibility using the “Score Your Fit” button, and record the rating in section 2 of your worksheet.

**\* Remind students to “star” occupations of interest to save the items to their Favorites.**