



## CAREER EXPLORATION: Math and Science Movers and Shakers

**LEVEL:** 1

**ESTIMATED TIME:** 60 minutes



### CAREER EXPLORATION AREAS

#### STEM

The purpose of this lesson is to increase your awareness and understanding of the different career pathways within the fields of science, technology, engineering, and mathematics. Each STEM lesson will include learning goals from one or more of the core career explorations areas: personal discovery, career evaluation, career awareness, and career preparation.

#### Career Awareness: Career Exposure

Identify tools and resources to learn about different careers.

Describe basic categories of career information, such as tasks, activities, skills, education requirements, and employment information.



### CORE SUBJECTS

#### Science

Use the data collected from tests to determine which design solution will best solve a problem.



### OVERVIEW OF THE LESSON

You will explore occupational opportunities in the STEM cluster by looking at these careers' tasks, skills, and requirements. In addition, you will explore the Science and Mathematics pathway to help you learn about the opportunities in the STEM cluster.



## SUMMARY OF ACTIVITIES

1. You will participate in a 'Notice and Wonder' activity and determine the science and math ideas/skills used in this activity.
2. In pairs or groups of three, you will participate in exploring the Pathway2Careers Career Library, led by your teacher. You will find and compare occupational options in the Science and Mathematics pathway of the STEM cluster.
3. You will think about what helped you learn about these occupational options and what surprised you during the learning process.



## MATERIALS/SUPPLIES

These materials have been labeled to match your teacher's materials. Although some letters may seem to be missing or out of order, the labels are accurate.

**Material B** Structured Stationery: Reflecting and Projecting



## MY CAREER PAGE

Artifacts from these activities should be saved to your My Career Page journal to summarize your career exploration learning and discoveries. You can choose the format you would like to use for your artifacts, such as journal entries, video/audio entries, and/or document upload.

### Suggested Artifacts

1. Upload of structured stationery (Material B).
2. Upload of 3-2-1 summary prompts:
  - a. Write 3 things you learned about STEM occupations that surprised or confirmed your knowledge.
  - b. Write 2 STEM-related tasks or skills that connected with you.
  - c. Write 1 question you have about a specific STEM occupation after this exploration.
3. Bookmark 1-3 STEM careers of interest from the Science and Mathematics Pathway.