



# How to Use the SCIENCE EXPLORATION PROJECTS

The six science exploration projects in this kit are designed to ignite an interest in science, encourage creative thinking, and build important research and speaking skills.

## Here's What You Get:

- 6 two-page printables that help students create science exploration projects on these topics:

- Blood Basics
- Bone Basics
- The Circulatory System Story
- Cell Science
- The Skinny on the Immune System
- Careers in Science



Each science exploration printable includes the following:

Project topic →

Information about the topic →

Variety of research questions for students to choose from →

Space to list search terms for gathering information ←

Space to describe how students will present their information ←

Due dates and teacher signature ←

Spotlight on a woman in science who is making a difference ←

- list of 30 different ways students can present their information

Science Exploration Projects  
30 PROJECT OPTIONS

- ✓ 3-panel display board
- ✓ board game
- ✓ collage
- ✓ e-book
- ✓ episode of a reality television program
- ✓ flash cards or trivia cards
- ✓ flip book
- ✓ flow chart or diagram
- ✓ foldable
- ✓ infographic
- ✓ magazine article
- ✓ mini-book
- ✓ mobile
- ✓ museum exhibit
- ✓ newscast
- ✓ newspaper article
- ✓ pamphlet or brochure
- ✓ poster
- ✓ Prezi or PowerPoint presentation
- ✓ puppet show
- ✓ rap, song, or poem
- ✓ report
- ✓ scavenger hunt
- ✓ scrapbook
- ✓ skit
- ✓ social media page (replica)
- ✓ stop-motion animation
- ✓ time capsule
- ✓ video/short film
- ✓ video tutorial

## How to Use:

- These science exploration projects can be completed by individuals, partners, or small groups. Use the option that best fits your students' needs and interests.
- In advance, set up a schedule for the project presentations. Also gather any resources students will need for researching their topic. You may wish to give several mini-lessons on topics such as identifying search terms, how to determine which search terms to click on, and how to determine whether information is credible.
- On the day you introduce a project(s), give each student or group a copy of the appropriate printable and go over the printable as a class. Have students write in the scheduled date for their presentations.



### **Doubling the Difference She Makes**

Dr. Ann Mullally is involved in not one, but two science careers—and she loves them both. As a doctor, she takes care of patients who have blood cancers. As a medical researcher, she runs a laboratory where she and her colleagues study the cells and genes that cause blood cancers. “Really good original ideas have the potential to change the world and to improve the lives of others in the process. What could possibly be cooler than that?” she says.

**Note:** Research shows that many girls and young women have a hard time picturing themselves in STEM roles, so take time to read together the information on the female scientist featured on the printable. Encourage all students in your class to consider science as a career.

- After students have completed the printable, set aside time to meet with each student or group to review their choice of topic and presentation option. Doing this will not only give students a chance to share their ideas with you, but it will also give you a heads up about materials you may need to provide.
- Before students begin researching, discuss with them different sources they can use to find information on their topic: Web-based resources such as articles, videos, interviews, online encyclopedias, etc.; library books and reference materials; and interviews with experts in your community. List these resources on a large chart in your classroom.



**Science is all about asking questions, exploring, creating, and collaborating. Your students will do all this and more as they complete these exciting science exploration projects!**