Free Resources for K-12 STEM!

Science Project Resources:

- Topic Selection Wizard: A unique tool to help students find a science project that fits their individual interests. *Only available at Science Buddies!*
- More than 1,300 Projects from 40+ areas of science: A library of science and engineering projects that is easily searchable by difficulty, cost, time required, and type of materials.
- Scientific Method or Engineering Design Process Project Guides: Step-by-step guides for students, including examples, rubrics, worksheets, & more.

Teacher Resources:

- Lesson Plans: 240+ NGSS-aligned lessons for hands-on STEM exploration in the classroom.
- Google Classroom Integration: Assign Science Buddies' resources with the click of a button.
- Science Project Pathways: A powerful scheduling tool that breaks the science project into a series of smaller, more manageable assignments.
- Video Lessons: Self-paced interactive videos that guide students through an activity from start to finish. Press play, and we'll teach the lesson!
- Science Fair Tools: Everything you need to plan and manage a STEM event at your school, from timelines to grading rubrics and judging scorecards.
- Career Discovery Tool: Help students learn about STEM careers and educational pathways. The personalized Career Discovery Tool suggests careers based on student interests and connects students with information about more than 170 STEM careers. (*Requires a paid subscription for classroom use.*)
- STEM Activities: 400+ hands-on activities that work well in or out of the classroom.
- Science Buddies Blog: Curated tips and resources to support hands-on learning, including:
  - Four Ways to Teach the Scientific Method
  - Four Ways to Teach Engineering Design
  - STEM Topic Resource Collections (Newton's Laws, Types of Energy, Chemical Reactions, Density, etc.)
  - STEM Calendar: Month-by-month STEM Connections

Annual Engineering Challenge:

- A fun engineering activity that uses simple materials and has been carefully designed to create a positive and engaging learning experience at all grade levels. All students should have a chance to "try" engineering!