



STEM Skills to Highlight on Any Application

WHAT DOES IT MEAN TO LIKE SCIENCE?

- Critical Thinking
- Problem Solving
- Troubleshooting
- Communication (with other scientists, with the public)
- Collaboration (with mentors and peers)
- Hypothesis Development
- Experimental Design
- Data Collection
- Data Analysis (being able to infer something from a data set)
- Data Visualization (graphing, diagrams)
- Seeing the big picture as well as the components
- Building connections and thinking about systems of interactions
- Technical skills and coding languages
- Precision
- Creativity and a passion for discovery
- Persistence (specifically through technical issues and unexpected results)
- Ability to articulate your ideas and thought processes
- Efficiency
- Adapting to learn new skills

**HOW HAVE YOUR
EXPERIENCES
DEMONSTRATED THESE
SKILLS?**

COMPELLING WAYS TO EXHIBIT STEM SKILLS

RESUME BUILDING

- Describe your responsibilities for work and volunteer positions using key terms for STEM skills. Be sure to add context for **when** and **how** you used each skill.
- List any significant class projects you have completed where you used these skills. Discuss your role, the main goals of the project, and how each skill was used to achieve your goals.



PERSONAL STATEMENTS AND COVER LETTERS

- Use examples to demonstrate times when you developed and used one or several of these skills.
- Describe your role, any collaborators, and how your work fit into the larger aim or project.
- Instead of listing skills, use anecdotes to illustrate your ability to use each skill in specific situations.