

STEM Career Search Matrix

Instructions: Complete the following table by selecting Science, Technology, Engineering, and Math (STEM) careers or occupations from ScienceBuddies.org or BLS.gov/OOH that are new and interesting to you. Each row suggests a different education level: trade or certificate, associate's degree, bachelor's degree, or graduate degree (master's or doctoral). An example is provided.



| | Which STEM occupation or career is new and interesting to me? | How much could I earn in this job and what is the outlook ? | How can I summarize the job that I might do in this occupation or career? | What would I need to do if I wanted to pursue this occupation or career? What would I study in college? How could I prepare now ? |
|--|--|---|---|--|
| EXAMPLE | Environmental Engineer | \$78,740 / year 22% growth | <i>Environmental engineers use the principles of engineering, soil science, biology, and chemistry to develop solutions to environmental problems. They are important for protecting our environment!</i> | <i>Must have a bachelor's degree in environmental engineering or related field, such as civil, chemical, or mechanical engineering. Employers value practical experience, so I should seek an internship. In high school, I should take related sciences. Environmental engineers should be creative, inquisitive, analytical, and detail oriented. They should work well as part of a team and communicate well. I can start developing those skills now.</i> |
| TRADE OR CERTIFICATE | | | | |
| ASSOCIATE'S | | | | |
| BACHELOR'S | | | | |
| GRADUATE <small>(master's or doctorate)</small> | | | | |



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Careers in Science, Technology, Engineering, and Math (STEM) make a world of difference and help shape our future!



Instructions: Complete the following worksheet by selecting 15 different STEM careers or occupations from ScienceBuddies.org or BLS.gov/OOH that are new and interesting to you.



Identify three STEM careers that are in demand.
Look for faster than average projected job growth or outlook.

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Identify three STEM careers that benefit from creativity.

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STEM careers are essential to our Health, Happiness, and Safety

Identify STEM careers with work that contributes to our Health, Happiness, and Safety. Challenge: Explore careers **outside** of the health professions.

| | | | |
|-----------|--|-----------|--|
| HEALTH | | HEALTH | |
| HAPPINESS | | HAPPINESS | |
| SAFETY | | SAFETY | |

STEM careers require Collaboration

Identify three STEM careers in which you would collaborate with others to solve problems.

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