

# 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 <b>STEM occupation or career</b> is new and interesting to me?	How much could I <b>earn</b> in this job and what is the <b>outlook</b> ?	How can I <b>summarize the job</b> 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 <b>study</b> in college? How could I <b>prepare now</b> ?
EXAMPLE	Environmental Engineer	\$78,740 / year 22% growth	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!	Must have a <b>bachelor's degree</b> in environmental engineering or related field, such as civil, chemical, or mechanical engineering. Employers value practical experience, so I should seek an <b>internship</b> . In high school, I should take related sciences. Environmental engineers should be <b>creative</b> , inquisitive, <b>analytical</b> , and detail oriented. They should <b>work well as part of a team</b> and <b>communicate well</b> . I can start developing those skills now.
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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