## STEM is a teaching method with the combination of four subjects tied together in one program. The term STEM stands for science, technology, engineering, and mathematics. The framework provides students with conceptualization and real-life instructions that offer critical thinking experiences and problem-solving skills that will be relevant in real world problems. Students are observed over how skillfully they can problem solve versus using memorization.

In STEM education a significant amount is based on science and mathematics. A 3rd of STEM careers consists of Life science and mathematics. Some common occupations in this field consists of clinical research associates or economists. This can be tedious work which requires strict commitment and motivation to remain focused throughout coursework.

Due to technology advancement, employers are willing to offer exceptional salaries to recent graduates. According to [Wyatt Dalton](https://pearsonaccelerated.com/blog/stem) careers in computing make up about 70% of STEM careers. For example, these may consist of software developers, or computer system analysts. With daily lives becoming reliant on digital devices and different software’s, careers in computing will be predominant. The next largest category of STEM careers is engineering. These occupations involve more laborious, hands-on work that consist of your orthodontists, nurse anesthetists and biochemist.

The value and benefits of STEM education are on the rise because of the influential of technology on social and economic lives. This education teaches critical thinking and ways of adapting to new life situations. Besides the accommodating skills acquired, travel can be another benefit from receiving a STEM education. This creates more job opportunities and ways to create life experiences. According to [Ankita Nagpal](https://ischoolconnect.com/blog/top-8-benefits-of-stem-education-you-should-know/), certain countries are offering more career opportunities for STEM graduates. Some of those countries being US, Ireland, and New Zealand. Ireland also offers the lifetime opportunity to become a permeant resident after graduating and working consistently for two years. Another reason to receive a STEM education is to have latest access to developments. With STEM careers on the rise the compensation received for the work has become financially beneficial as well. This allows years of earnings to rank up and allows more time to save money. From the experience obtained throughout the years and savings leads to opportunity for early retirement. Along with retirement it gives the opportunity to travel the world or become own businessperson. As previously stated, technology on the rise, STEM education is becoming more important for the economy. Based on [Yeti Acadamey](https://yetiacademy.com/reasons-why-stem-education-is-important-in-2021/), by 2028 employment is projected to increase by 8% in STEM occupations. This provides a tremendous amount of opportunities to those willing to do the work.

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| **Project Portion** | **Ideal Criteria** | **Overall Feedback** |
| Introduction | * Engaging * Shows importance of question * Indicates major parts and content |  |
| Background | * Uses credible, neutral sources * Effectively and sufficiently explains essential information * Written objectively in own words * Well organized and focused paragraphs with transitions * Minimal error | Remember that the question is about STEM ***education***, not careers.    You aren’t writing a sales brochure, you are telling your readers about what STEM looks like in schools and when it became a “thing.” The only objective source you have is the Dalton one.  You’ll get into the benefits in the next part of the project when you analyze the sources making arguments. |
| Analysis | * Smooth transition from background * Summarizes accurately and in own words two opposing answers and one objective answer to the question * Recognizes and shows bias * Reasonable observations about how all sources make their arguments impactful * Well-organized and focused paragraphs with transitions * Minimal error |  |
| Response | * Smooth transition from analysis * Incorporates strong points from sources * Draws a reasonable and well-supported conclusion, answering the question * Provides satisfying conclusion to the project * Good transitions between focused paragraphs * Minimal error |  |