

# Descriptions of STEM Subjects

STEM Subject	Description	Examples of STEM Subjects
<b>Science</b>	Science is about understanding how the world around us works by observing, experimenting, and asking questions. It helps us discover new ideas, solve problems, and create things that make life better. Science is about being curious, learning more, and finding ways to help people and the planet.	<ul style="list-style-type: none"><li>✕ Biology</li><li>✕ Chemistry</li><li>✕ Physics</li><li>✕ Environmental Science</li><li>✕ Earth Science</li></ul>
<b>Technology</b>	Technology is about creating tools, machines, and systems that help us solve problems and make life easier. It uses knowledge from science, engineering, and other fields to design things like computers, phones, and medical devices. Technology helps us connect with others, work faster, and improve how we live and work every day.	<ul style="list-style-type: none"><li>✕ Computer Science</li><li>✕ Digital Technology</li><li>✕ Cybersecurity</li><li>✕ Information Technology</li><li>✕ Data Science</li></ul>
<b>Engineering</b>	Engineering is about solving problems by designing and building things that work. It combines creativity and science to create structures, machines, and systems that improve our lives, like bridges, cars, and power plants. Engineers use their skills to make ideas come to life and find practical solutions to challenges in the world around us.	<ul style="list-style-type: none"><li>✕ Engineering</li><li>✕ Robotics and Electronics</li><li>✕ Software Engineering</li><li>✕ Civil Engineering</li><li>✕ Bioengineering</li></ul>
<b>Mathematics</b>	Mathematics is the study of numbers, shapes, patterns, and how they relate to each other. It helps us solve problems, understand the world, and make sense of information. Mathematics is used in everyday life, from counting and measuring to designing buildings and creating technology. It's a tool for thinking logically and finding solutions.	<ul style="list-style-type: none"><li>✕ Mathematics</li><li>✕ Statistics</li><li>✕ Calculus</li><li>✕ Geometry and Trigonometry</li><li>✕ Algebra</li></ul>