

STEM (SCIENCE TECHNOLOGY ENGINEERING MATH)

STEM combines Science 10 and Math 10 FPC into one course with major overlying themes. The course is rooted in scientific discovery through experiments and technology. The Big Ideas from the two courses will be intertwined to meet all outcomes. The use of technology will give the students a deeper understanding of the Big Ideas presented in STEM 10. Such technologies include 1:1 Chromebooks and 3-D printers, in addition to the already comprehensive list of technological devices located in the Tech Warehouse. This blended class will provide additional experimental, technological, and inquiry activities when compared to their stand-alone courses of Science 10 and Math 10 Foundations Pre-calculus while maintaining a fast pace environment much suited to individuals interested in pursuing STEM related fields such as engineering, medicine, and programing. An emphasis of 21st century skills such as communication, critical thinking, collaboration, and citizenship transcend all subject areas and provide growth towards adulthood.

COURSES

Science 10

Foundations and Pre-Calculus 10

COMMUNITY CONNECTIONS

Staying true to the STEM learning philosophy we will bring in guest speakers and host presentations that allow us to bring STEM-related topics to life! Presentations from individuals such engineers and medical professionals will highlight STEM education.

GLOBAL CONNECTIONS

Students will connect with others outside of class and expand global citizenship understanding through use of programs like Skype, Flipgrid, and Google sites.

ADDITIONAL LEARNING AND LEADERSHIP

There will be opportunities for students to work out of their grade area. STEM students may act as mentors to LCSD elementary students by working through math and science concepts with them. Learning will also extend beyond the classroom and include field trips to places such as Telus World of Science.

