



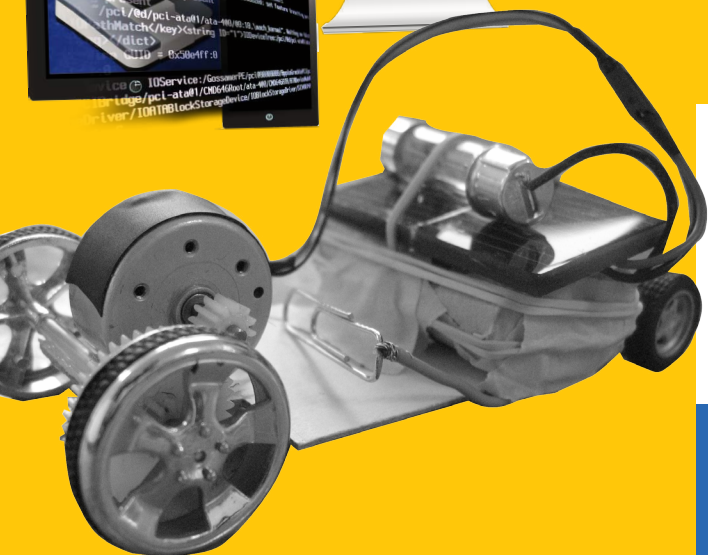
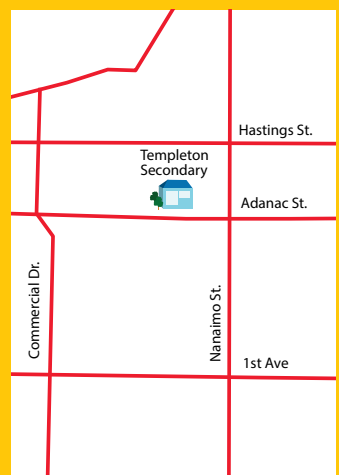
## Templeton Secondary School

**Address:**  
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**Tel:** (604) 713-8984

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## Questions?

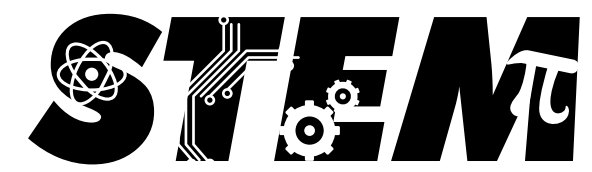
Please contact the school **Principal, Vice-Principal** and **any STEM teacher/administrator** for specific inquiries or questions.

**Tel:** (604) 713-8984

Learn more about The District  
[www.vsb.bc.ca](http://www.vsb.bc.ca)



Science Technology Engineering Mathematics



## Tech-Engineering and Design



**STEM** stands for **S**cience, **T**echnology, **E**ngineering, and **M**athematics.

The STEM program combines all of these subjects and applies them toward learning how to solve hands-on engineering problems in Technology, Mechanics, and the Environment. It is a four-course project based program.

## Should I apply?

If you are passionate about science, technology, and/or hands-on problem solving, this is for you! It provides great experiences and preparation for anyone considering a career in engineering or design.

All grade 11 students are eligible to apply to STEM 11. All grade 12 students are eligible to apply to positions that open in STEM 12. Selections will not be based solely on grades.

## What will my schedule look like?

	Grade 11	Grade 12
<b>S = Science</b>	Physics 11	Physics 12
<b>T = Technology</b>	Computer Science 11	Robotics 12
<b>E = Engineering</b>	Engineering 11	Engineering 12
<b>M = Math</b>	Math 11	Math 12
	English 11	English 12
	Social Studies 11	*Elective
	*Elective	*Elective
	*Elective	*Elective

Day 1	Day 2
<b>Math/Science</b>	2 - 1 (Electives) 2 - 2 (Electives)
<b>Lunch</b>	Lunch
<b>1 - 3 (Electives)</b>	Engineering/Technology
<b>1 - 4 (Electives)</b>	

\*Electives: If you plan to go into engineering, you must also take Chemistry 12. Although it is not a requirement, either Calculus 12 or AP Calculus AB is strongly recommended for the engineering option.

## What is project-based learning?

Project-based learning is designed to allow students to explore individually or in groups subject material in a relevant, engaging format that promotes deep understanding. Students learn practical design and fabrication skills to create and explore a concept that integrates related mathematical, technical, and science theory. Areas of exploration include mechanical, aerospace, civil, electrical, environmental, and geotechnical/mining engineering along with computer science and programming.

## How does STEM improve my options after secondary school?

Many post-secondary institutions now utilize broad based admission criteria that takes into consideration skills and a portfolio of work that are not reflected solely by academic grades. Templeton staff have collaborated with BCIT, UBC, SFU, and industry partners such as SAP, so that our STEM program delivers the skills, knowledge and expertise that are the requisite expectations for future students and employees. Examples include complex problem solving ability, technical expertise, and communication skills. This program has been designed to develop your skills to stand out in any engineering, science, design program or STEM career.

## How will I be evaluated?

Your STEM assessment is a variety of project grades and "traditional" forms of assessment. Clear scoring rubrics are provided for all evaluations. If you do well in Mathematics, Science and have a desire to better understand the role of technology and science in society, you will do great in STEM 11/STEM 12!

