



John Oliver STEM Philosophy:

- Cross-curricular learning environment
- Project-based /real world applications
- Computer Programming/Technical “Hard and Soft Skills”
- Inclusive
- Creativity/innovation
- Field Studies: Industry and Post- -Secondary Institutions

Applicant Information	Student Number:		
First Name of Applicant:		First Name of Parent/Guardian:	
Last Name of Applicant:		Last Name of Parent/Guardian:	
Applicant Email:		Parent/Guardian Email:	

1. Please outline your reasons for wanting to be enrolled in the STEM program.
2. What activities (e.g., clubs, hobbies, interests, sports, etc.) do you take part in outside of school?
3. What is one problem you would like to solve or big question you would like to explore as part of your learning in the STEM program?
4. What excites you about innovation, science, technology, engineering and math?



STEM COURSE PLAN

Grade 9

STEM 9: Science	English 9
STEM: Math 9	Physical Education 9
STEM: Electronics and Robotics 10	Elective
STEM: Power Technology 10	Elective

Grade 10

STEM: Science 10	English 10
STEM: Math 10	Career Education 10
STEM: Electronics 11	Social Studies 10
Physical Education 10	Elective

Grade 11

Science 11: Physics/Chemistry/Biology	English 11
Math 11: Pre- Calc/A&W/Foundations	Socials 12
STEM: Electronics 12 Digital Systems	Elective
STEM: Electronics 12 Robotics	Elective

Grade 12

Science 12: Physics/Chemistry/ Biology	English 12
Math 12: Calculus	Elective
STEM: Engineering 12	Elective
STEM: Electronics 12 Analog Systems	Elective