

# BYRNE CREEK COMMUNITY SCHOOL

## STEAM 8 PROGRAM

(Science, Technology, Engineering, Art and Math)



Do you like being learning with your hands? Do you like learning in group collaborative environments? Do you like Math, Art, Technology and Science at the same time? Are you a creative person who likes making things? If so, the Byrne Creek STEAM Program may be for you!

### What is the STEAM Program?

The STEAM program is an integrated Science, Technology, Engineering, Art, and Math program. Students in the STEAM program will learn skills like Coding, Robotics, Electronics, Drafting, Art (traditional and digital media) and Engineering.

You will then take these skills and, along with what you learn in Math and Science, you will put them to work, building cool things, completing creative Art projects and solving problems.

### What will my timetable look like?

Typically, Grade 8 students take eight (8) courses throughout the year, in eight different blocks. In STEAM, your schedule will look similar to the following:

Semester 1	Semester 2
English 8	Socials 8
Physical Education 8	An Elective
Lunch	Lunch
STEAM 8	STEAM 8
STEAM 8	STEAM 8

Every afternoon, for the entire Grade 8 year, a STEAM student will have the same class, covering the topics of Science 8, Applied Skills 8, Art 8, and Math 8 and you will work with a team of teachers who have real-life experience with coding, robotics, computing, media arts, engineering and construction. Students will spend 50% of their school year in STEAM with the same fellow students and teachers developing bonds, learning and developing important skills.

### **Is the STEAM Program for me?**

Straight A's are not required for the STEAM Program. What we are looking for are students who are creative thinkers, who like to build things, who like to draw and paint, who like to problem solve, who love technology and who like to use it. To be successful in STEAM you also need to be the sort of person who works really well with others but can also take initiative and work by yourself. Students who like applying the things they learn in Science and Math to real-life situations would do very well in STEAM as well.

### **Why BYRNE CREEK STEAM?**

- Great teachers with real-life experience with engineering, technology, Applied Science, Computing and Robotics, Design, Art, Media Arts and Environmental Studies.
- Great facilities including state-of-the art upgraded metal and wood shops, computer labs, robotics equipment and science labs.
- Consistent afternoon schedule throughout the Grade 8 year.

### **Sounds very cool and expensive. What will it cost me?**

There is no cost to enroll in the program

### **So how do I get in?**

There is an application form that will be sent to the elementary schools and your Grade 7 teachers in January. Interested students will need to complete it and have the form signed by a parent or guardian. There is also a questionnaire that your grade 7 teachers will fill out about you. Standard School District application procedures for out of catchment and out of district students are followed for entry into STEAM 8. Refer to the SD41 Policy Guide.

### **What opportunities do I have after STEAM 8?**

Plenty! You can carry on with Science and Math. Advanced Placement (AP) opportunities are there in Science, Math and Art (in senior grades), among other courses. You can also continue to take courses in applied skills like Electronics, Robotics, Power Engineering, Media Arts, Drafting in Grade 9 and beyond.

### **Where can I learn more?**

Check our website for details.