



BERT CHURCH HIGH SCHOOL

1010 East Lake Blvd.
Airdrie, Alberta T4A 2A1
403.948.3800



STEAM 10

Ms. R Kisinger
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COURSE DESCRIPTION:

This course is a grade 10 option course. The focus of this course is to learn and apply fundamental skills through examining the world of Robotics. During the semester ahead we will be working together to develop and strengthen your knowledge and skills through examining the world of Robotics. You will be required to work in groups collaborating and problem solving to complete the challenges presented. This will be accomplished by the combination of theory and practical exposure.

ATTENDANCE:

This course is focused heavily on the learning process. Most of the work in this course will be completed and assessed during class. This means that attendance is vital to success in the course. If it is impossible for you to be in class one day please ensure that your parents or guardian calls into the school the day of your absence to excuse you. You will be responsible for making up the work you missed during extra help hours once you are back at school. If you know ahead of time that you will be missing class please discuss your absence with Ms. Kisinger so a plan can be made for you to work ahead.

COLLABORATION:

Group work is an essential component of most STEAM careers. Throughout this course, you should expect to complete several projects in a group setting. While work may be done as a group, students will receive individual marks to ensure full participation.

PREPARATION:

Please do not bring other supplies such as backpacks or coats unless requested because we will often be up and moving around the classroom completing activities. If you will need any other supplies, you will be informed ahead of time.



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COURSE EVALUATION:

Students will complete UP TO seven modules for a total of seven credits. The modules that the students will be completing are:

- DES1020 is Design Process
- ELT1010 is Electro Assembly
- CSE1010 is Computer Science 1
- CSE1110 is Structured Programming 1
- ELT1130 is Robotics 1
- ELT1140 is Robotics Application*
- CSE1240 Robotics Programming 1*

Courses marked with * are optional. Participation is based on completion of prior modules.

The outcomes contained within these modules will be split into 6 categories. 1 category covers outcomes dealing with student conduct and participation. The 5 units and their weighting are:

<u>Units</u>	<u>Weighting</u>
Health & Safety	9 %
Design	13%
Programming	20 %
Power	13 %
Robotics	30 %
-	-
Personal Management	15 %

APPEALS

Please refer to the B.C.H.S. student handbook, which is on line, for exam and course appeals.

LOSS OF COMPUTER PRIVILEGES:

Students will be referred to Administration and will lose computer privileges for any one of the following infractions:

1. Changing the configurations on any computer.
2. Logging in under another person's ID.
3. Sending or displaying offensive messages or pictures.
4. Violating copyright laws.
5. Attempting to bypass computer security.

I'm looking forward to a great semester! If you are not sure about something, please ask me. I am really happy to help you with your areas of concern, this is how we learn and stay safe.