



# CTS Course Options

## Centennial High School



Calgary Board  
of Education

# FINANCIAL MANAGEMENT



## Financial Management 10

*Students will learn about basic financial responsibility:*

- Credit Cards/Loans
- Budgeting/Saving
- Investing/Interest



*The course will move on to explore accounting:*

- Data Organization with Microsoft Excel
- Accounting Records for Small Businesses
  - Journal entries, debits/credits, various accounting transactions
- Financial Statements for Small Businesses

# WHY TAKE FINANCIAL MANAGEMENT?



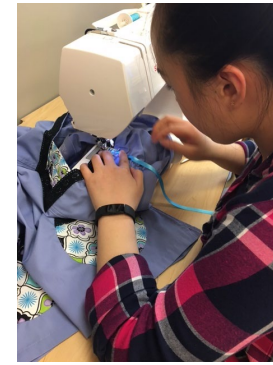
- ❖ You will learn how to create and follow a budget
- ❖ You will learn money management tips that will benefit you in life
- ❖ You are interested in a career in accounting, economics, running your own business, general commerce
- ❖ You are interested in learning about basic accounting principles and techniques
- ❖ You will learn how to do personal taxes and compound interest
- ❖ You will learn about investment strategies in the stock market
- ❖ You will learn how to do your own income tax sheets
- ❖ You will learn how to use excel spreadsheets
- ❖ You will learn how to analyze basic business transactions



# Fashion Studies/Cosplay



- Students will learn the basics of sewing by machine and by hand
- Students can make accessories or clothing



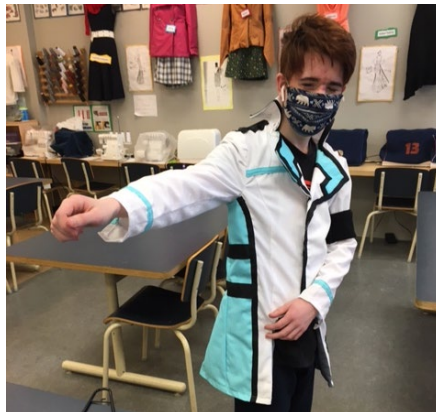
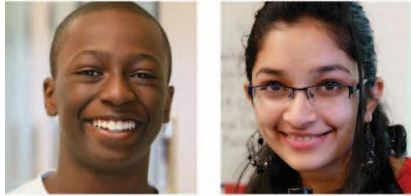
- Fashion students have opportunities to do hand crafts or fashion illustration



# Studies/Cosplay

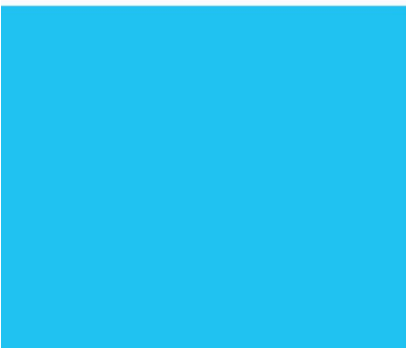
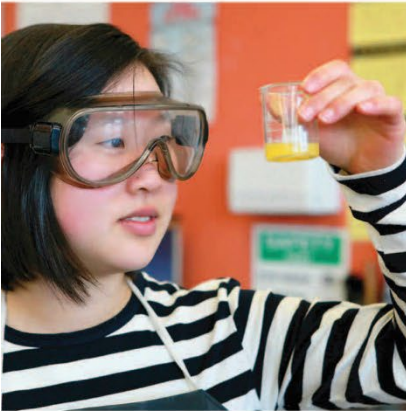


Cosplayers will make/design costumes of their choosing. They can make the clothes and accessories for them.





# Construction Technology



- This is an introductory course and welcomes all learners with any level of experience.
- The class is a great starting point for those interested in woodworking as a hobby as well as a career.
- Instruction is given by a Red Seal Cabinetmaker
- Students will learn machine and tool safety while completing hands-on project work, at a pace that best suits their learning and development.
- Students will earn 5 credits at each level of the course:
  - Introductory (grade 10)
  - Intermediate (grade 11)
  - Advanced (grade 12)

Sanding Block:  
First Credit



Hardwood Footstool:  
Third Credit



Outdoor Side Table:  
Second Credit



Plywood Footstool:  
Fourth Credit



Student Design Project:  
Fifth Credit



# Construction Technology



Grade 11 & 12 Projects:  
Furniture and Cabinets





# Commercial Foods – Culinary Arts



- Taking place in an industrial kitchen, students learn to produce food like they see on TV and in restaurants
- Instructors are all Red Seal Chefs and Baker
- Five Credit Course, made up of One Credit Modules
- Grade Ten topics covered include Food Safety, Knife Skills, Protein and Vegetable Cookery, Snacks and Appetizers and a Variety of Baked Items
- Opportunities for catering, banquets and live food service exists based on student interest
- Students walk out of the class prepared to cook for themselves, cook for family and are in great positions to work in the restaurant industry
  - With Provincial and National Certifications gained valuable for future employment



# *Commercial Foods*

## *Culinary Arts Promo Video*



# Design Thinking for Innovation (DTFI)

(Formerly Pre-engineering and Robotics)

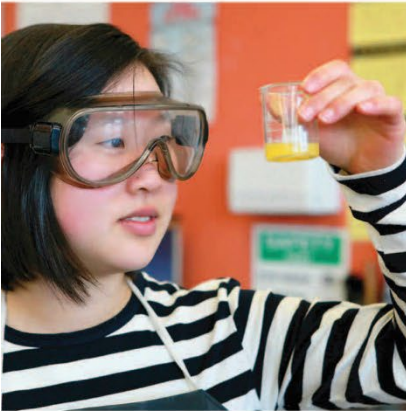
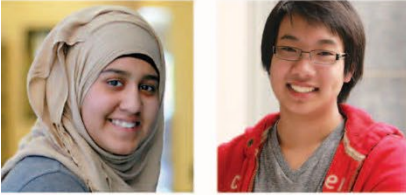


- 5-credit course, no prerequisite for the grade 10 level.
- Students will learn about structural engineering, 3D modelling, electrical circuits, and programming with Arduino.
- Students will be given design challenges in which they must find creative solutions to the problems using skills from both Pre-engineering and Robotics.
- As students progress from grade 10 to 12, they will have opportunities to engage in more complex projects to explore innovation and invention.

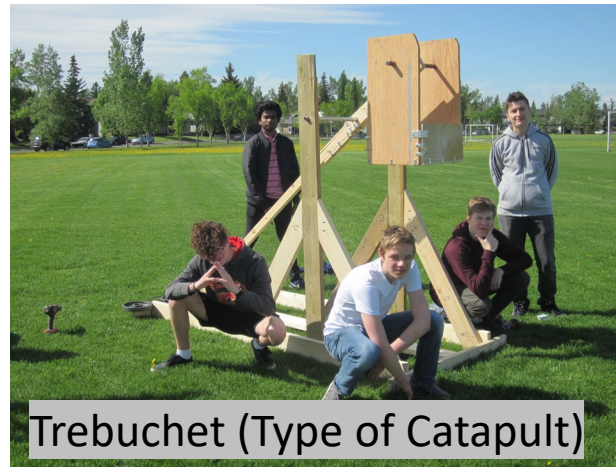


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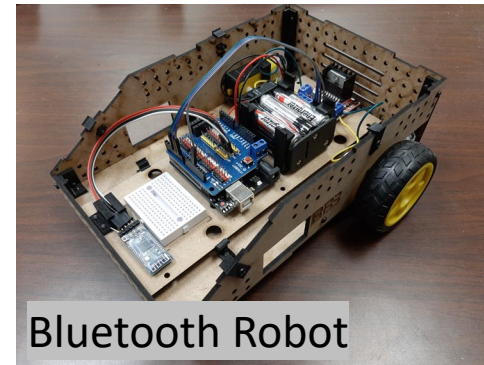
Electric Bike



Trebuchet (Type of Catapult)



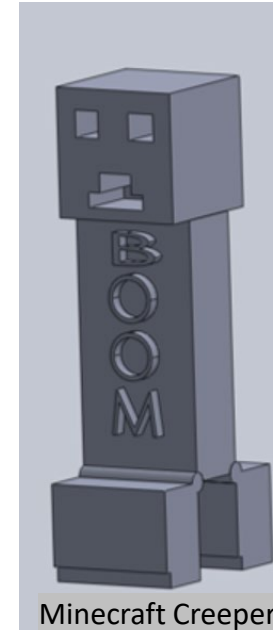
Air Hockey Table



Bluetooth Robot



Automated Can Crusher



Minecraft Creeper



Glider



# Cosmetology

## Hairstyling & Esthetics

*No Prerequisite*

*5 Credit Course*



- The introductory course is created so students can learn basic skills in both hairstyling and esthetics. Students develop increased appreciation for the significance of personal grooming, develop a more positive self-concept and learn fundamental practical skills.
- Students learn long hair design, shampooing and drying hair techniques as well as skin care practices. At this level, students may begin to perform peer to peer services in a controlled and supported environment with the intent to build confidence.





# Cosmetology

*Prerequisite Required*  
*6 Credit Course*

## Hairstyling & Esthetics Exploratory Pathway

- The intermediate/advanced courses are created so students can continue to learn both hairstyling and esthetics. Students develop an increased appreciation for styling techniques while exploring intermediate practical skills such as scalp treatments and thermal hair applications. In esthetics students explore various theatrical makeup applications such as burns, wounds and stage makeup. At this level, students will perform peer to peer services in a controlled and supported environment with the intent to build confidence.



# Cosmetology

## Hairstyling Apprenticeship Pathway

*Prerequisites Required  
42 Credit Course*



- After the completion of the introductory level courses, students can choose to continue their education and work towards their hairstylist journey person certificate. This pathway requires significant time and commitment as students learn various hairstyling applications such as chemical services, haircutting techniques, thermal styles and scalp treatments.
- Students begin client service work within the school community to build further competencies and experience.







# Business 10

In this exploratory introduction to **Business** students will explore the concepts of *Visual Merchandising*, *Customer Service*, *E-Commerce*, and have the opportunity to earn credit by working in the school store while handling real inventory and **cash**.

Students are also introduced to the fast paced world of **online stock trading!!!**



learning | **as unique** | as every student



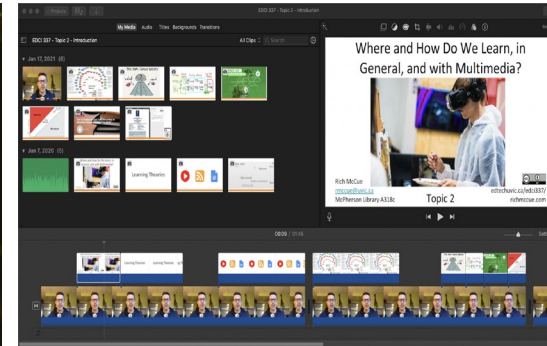
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# Multimedia



## Introductory Objectives

- Webpage Building: Students create an electronic portfolio.
- Elements & Principles of Design
- Photography: Use of DSLR Camera
- Audio and Visual Techniques
- Animation: 3D & Stop Motion
- Access to Adobe Software & After Effects





# Multimedia Promo Video

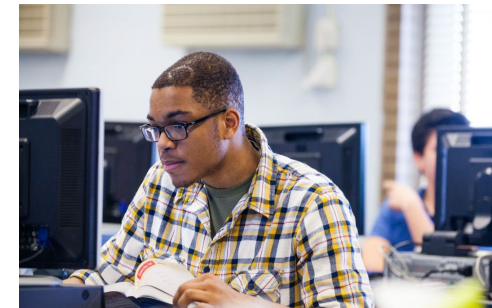
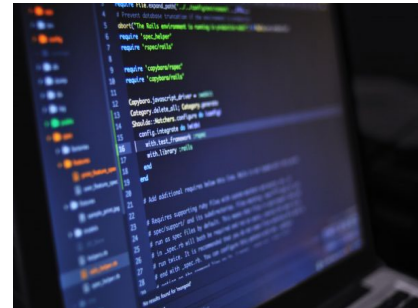


# Computer Science



## Introductory Objectives

- Problem Solving and Trouble Shooting
- Coding using Java / Python
- Learning the Workings of a Computer
- Programming Literacy and Debugging
- RCL (Robot Control Language) to design and develop robotics programs.
- Project Design and Management Skills
- Software Eclipse with at home licensing





## *Computer Science Promo Video*

