2023/2024 Course Outline

Course Code: TIJ101 - Exploring Technology (1 credit)
Teacher: Ms. Stephanie Cox (she/her)

Contact Information

Teacher Email: Stephanie.cox@tdsb.on.ca
Office: Business/Tech Office (next to room 102)

Course Description

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry. Students will develop an awareness of environmental and societal issues, and will begin to explore secondary and postsecondary education and training pathways leading to careers in technology-related fields.

Academic Honesty

Students are expected to be academically honest and submit their own work, so that the mark received reflects their own academic achievement.
http://www.tdsb.on.ca/portals/ward11/docs/qa%20for%20parents%20academic%20honesty.pdf

Evaluating Missed and Late Assignments Policy

Students are expected to submit assignments by the posted due date.
https://drive.google.com/file/d/1-u-8oxM1hHvbqG0xd90nOb4fxCZR0R5k/view?usp=sharing

Online Code of Conduct

Students are expected to comply with TDSB's Online Code of Conduct:
http://www.tdsb.on.ca/aboutus/policies,proceduresforms/onlinecodeofconduct.aspx

Expectations

Students are expected to:

- Come to class with the required materials, to use their class time effectively, and to focus on the task at hand.
- Take responsibility for their own learning, to attend all classes, and to complete homework on a daily basis.
- Treat teachers and classmates with respect at all times (i.e. not talking when the teacher is talking, etc.)
- When absent, obtain and complete missed class work.

Students' responsibilities with respect to evidence for evaluation
Students are responsible for providing evidence of their learning within established timelines. There are consequences for not completing work, and submitting work late. A number of strategies may be used to help prevent and/or address late and missed assignments including involving parents/guardians. Ultimately, marks may be deducted for late/missed assignments, up to and including the full value of the assignment.

Accommodations
Students with IEPs or students who are or have been in an ESL program are allowed accommodations (such as extra time for example) on quizzes, projects as per Ministry Policy. Students are asked to remind the teacher in-advance of evaluations so accommodations can be programmed.

Assessment and Evaluation

To promote student success, ongoing formative assessment and feedback will be given to students. As required by the Ministry of Education, students will be assessed in the four areas of the achievement chart. The chart below provides percentages for each category.

Assessment Category	Percentage
Knowledge and Understanding	20%
Thinking	20%
Communication	20%
Application	40%

Learning Skills Assessment

Skills: Responsibility	**Rating Scale**: E – Excellent

Organization Independent Work Collaboration Initiative Self-regulation	G – Good S – Satisfactory N – Needs Improvement

Term Work • Based on evaluations from throughout the course.	70%
Summative Evaluation • Culminating Activity.	30%

Unit Breakdown

Unit 1: Intro to Exploring Technology

1. Course Intro
2. The Design Process
3. Woodshop Intro

Unit 2: Manufacturing Technology

1. Technical drawings
2. Properties and preparation of materials
3. Manufacturing techniques (3D Printing)

Unit 3: Construction Technology

1. Measurements
2. Safety
3. Technical Drawings
4. Woodworking

Unit 4: Technological Design

1. Floorplans
2. Fabrication of models or prototypes
3. Interior Design

Unit 5: How Stuff Works

1. Introduces students to concepts and skills in communications technology
2. Print and graphic communications
3. Circuits

Unit 6: Summative

1. Mixed Medium Design Challenge.