MegaBloc! (TIJ1O)

September 2017 - January 2018
Teachers: Ms. Bloemendal, Mr. Brink, Mr. Vanderwier



TIJ1O - Integrated Technology:

- Communication Technology
- Manufacturing Technology
- Technological Design

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.

This introductory course is intended to help students develop an understanding of the creative process from concept to finished product. By exploring computer aided design, principles of manufacturing technology, and computer software applications, students, as God's image-bearers, will be challenged to imagine, plan and create, to craft products that are beautiful and excellent. They will consider not only how things are made, but how they can be good stewards of time, talent and materials. Students will develop a broad skill set that would be applicable to other courses, to project development, and to future studies in trades and technology.

Objectives:

Employ technological fundamentals to:

- Understand design process, problem-solving, and development of products and skills
- Diversify communication and solution creation
- Evaluate products or services in relation to specifications, and conditions

Employ technological skills to:

- Plan and create a product (problem-solve and manage)
- Create projects for various purposes using materials provided

Develop understanding of technology, the environment, and society in regards to:

- How technology affects the environment
- Relationship between cause and effect of technology to society, and society to technology

(The Ontario Curriculum, Grades 9 and 10; Exploring Technologies)

Detailed Course Information will be located on teacher's Google Classrooms and Edsby

Assessment:

- 1st Half of the Semester
    - Formative Assessment will be used during the first half of the semester. Students will be expected to complete and participate in all required tasks. Each student will receive feedback and reflections from all teachers, classmates, and him/herself. Formative assessments will also be provided on Learning Skills and Work Habits, and on the HDCH Habits of a Graduate
    - Feedback will be provided through:
        - Individual and group conferencing
        - Observations and conversations
        - Group and class protocols
        - Through evidence of the learning
        - Rubrics
        - Checklists

- 2nd half of the Semester
    - In the second half of the semester students will be continue to have formative assessment and in addition will receive summative assessments on the following:
        - Mid-semester project and reflections (1 assessment)
        - Your Voice, Your Choice learning rotations (1 summative assessment each)
        - The Capstone Project (1 summative assessment)
        - The Summative Portfolio (1 summative assessment)

Assessment Breakdown:

Term:

- Mid-semester project and reflections (15%)
- Your Voice, Your Choice learning rotations (20%)
- The Capstone Project (35%)

Final Evaluation

- The Summative Portfolio (30%)