

MSTE
[MIDDLE SCHOOL TECHNOLOGY EDUCATION]
GRADE 8
COURSE OUTLINE – WINTER 2020



TEACHER: A. Hallihan

COURSE DESCRIPTION:

There are three main subject areas in Middle School Technology...

1. **Coding:** Often known as programming, this study area is recognized as strengthening logical thinking and problem solving skills. Programming is often seen as the mysterious side of technology usage. However, modern platforms have made entry level programming user friendly and well adapted for the technology classroom.
2. **Computer Operations:** From the basic creation of folders and saving work to creating multimedia presentations and the operation of modern technologies, it is expected that the modern student should be able to use digital technologies with fluency. Although no schools have access to all the imaginable technology, we want our students to have an open mind when it comes to adopting new technologies.
3. **Project Work:** Essential to the development of any student is the process by which projects are proposed, designed, completed and assessed. Considering the facility differences in New Brunswick schools these projects can range from wood shop to culinary technology, from creating prototypes to working with fabric. The essential components of Middle School Technology projects is that students have the opportunity to design, create using their hands and basic tools, experience making mistakes with real materials, measure, problem solve, analyze mistakes, devise solutions, assess their work, and see connections to everyday life in a safe and creative setting.

THEME – MAKE Project... Students will undertake a creative, innovative and/or entrepreneurial project in the classroom. Students will explore a variety of technologies while designing and engineering their own project. Innovation will be a focus where students work on a project idea and create their own products. Students will develop an engaging presentation for their classmates that reflects and summarizes their project. As well, students will create a tutorial video that demonstrates their project with explanation of key skills learned.

WEBSITE: <https://www.bhsice.com/makerspace-tour.html>

EVALUATIONS:

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| • Class Participation/Activities/Assignments | 40 % |
| • Project Presentation | 30 % |
| • Tutorial Video | 30 % |