Name: Gagnon	Grading Quarter: Q3	Week Beginning: 1/22 W3
School Year: 2023-2024	Subject: Fab Lab	

Monday	Notes:	Objective: Science and Engineering Practices: Students will understand the use of Tinkercad, and Ultimaker Cura open-source CAD design and slicing program shown by creating and 3D printing a Key Fob following classroom discussions and instructions for the project. • Students will use Tinkercad to complete an original design of a 3D printed 3D Key fob project. • Intro to Tinkercad, Cura and 3D printing demonstration.	Academic Standards: **HS-ETS1-4** Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.
Tuesday	Notes:	Objective: Science and Engineering Practices: Students will understand the use of Tinkercad, and Ultimaker Cura open-source CAD design and slicing program shown by creating and 3D printing a Key Fob following classroom discussions and instructions for the project. • Students will use Tinkercad to complete an original design of a 3D printed 3D Key fob project. • Intro to Tinkercad, Cura and 3D printing demonstration.	Academic Standards: **HS-ETS1-4** Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.
Wednesday	Notes:	Objective: Science and Engineering Practices: Students will understand the use of Tinkercad, and Ultimaker Cura open-source CAD design and slicing program shown by creating and 3D printing a Key Fob following classroom discussions and instructions for the project. • Students will use Tinkercad to complete an original design of a 3D printed 3D Key fob project. • Intro to Tinkercad, Cura and 3D printing demonstration. • Intro to operating 3D Printers Ultimaker 2Go.	Academic Standards: **HS-ETS1-4** Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.
Thursday	Notes:	Objective: Science and Engineering Practices: Students will understand the use of Tinkercad, and Ultimaker Cura open-source CAD design and slicing program shown by creating and 3D printing a Key Fob following classroom discussions and instructions for the project. • Students will use Tinkercad to complete an original design of a 3D printed 3D Key fob project. • Intro to Tinkercad, Cura and 3D printing demonstration. • Intro to operating 3D Printers Ultimaker 2Go.	Academic Standards: **HS-ETS1-4** Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.
Friday	Notes:	Objective: Science and Engineering Practices: Students will understand the use of Tinkercad, and Ultimaker Cura open-source CAD design and slicing program shown by creating and 3D printing a Key Fob following classroom discussions and instructions for the project. • Students will use Tinkercad to complete an original design of a 3D printed 3D Key fob project. • Intro to Tinkercad, Cura and 3D printing demonstration. • Intro to operating 3D Printers Ultimaker 2Go.	Academic Standards: **HS-ETS1-4** Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem.