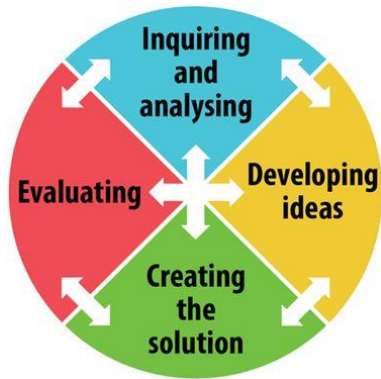


Introduction

This rotation of Grade 8 General exploration is a 14 day course and the mark is final. The focus of this course is to introduce students to various metalworking and wood working skills, practices, tools, equipment and techniques designed to develop a general understanding of Art metal, Metal fabrication and wood working. Students validated their learning through project work which is tied to the design Cycle. Projects, such as making an aluminium money clip, a coat hook and a wooden spatula are designed walk students through the design cycle, while giving them many opportunities to both reinforce and demonstrate their skill development.



1. Inquiry
2. Develop Ideas (Ideation)
3. Creating a solution
4. Evaluating the solution

Big Ideas

1. Design can be responsive to identified needs
2. Complex tasks require the acquisition of additional skills
3. Complex tasks may require multiple tools and technologies.

Curricular Competencies

1. *Applied Design*
 - Understanding
 - Defining
 - Ideating
 - Prototyping
 - Testing
 - Making
 - Sharing
2. *Applied Skills*
 - Use safe work practices
 - Identify skills needed for project completion
 - Evaluation of skills
3. *Applied Technologies*
 - Identify/learn appropriate technologies to complete tasks
 - Evaluate tools/technologies present in everyday lives
 - Identify the impact of technology use n society
 - Identify how technology use can differ depending on culture, economics, access to resources

Content

1. Characteristics and uses of ferrous and non-ferrous metals
2. Metal fastening techniques, including basic welding and fabrication practices
3. Metalworking techniques and processes using hand tools and power equipment

Expectations

Teacher:

I expect students will arrive to class on time, appropriately dressed and **with the necessary binders, textbooks, and supplies**. Students are expected to respect his/her classmates, teacher, and classroom – failure to do so will lead to disciplinary action that may result in expulsion from this course! It is also expected that students will follow the **STUDENT CODE OF CONDUCT** which is outlined in the Student Agenda Book. Students will be expected to cleanup during the last 5-10 minutes of every period. Last and perhaps most importantly, students are expected to work safely at all times and observe proper “safe work habits”.

Students:

Students can expect to work in a clean, positive, and safe environment – one that is free from racism, sexism, and all other forms of harassment!! He/she can also expect to be treated in a fair and respectful manner by both teacher and fellow students. If, at any time, you (the student) feel that these expectations are not being met feel free to approach me (the teacher). My “door” is always open and I will **always** treat you fairly and respectfully (as long as I am being treated in a similar fashion).

Note: Metalwork is an inherently dangerous activity and because of this **SAFETY** is our number one concern. At all times it is expected that students will behave in a safe and reasonable manner. Students are expected to follow posted safety guidelines and follow instructions – failure to do so may result in expulsion from the course!!

Evaluation

Grading/Evaluation Rules:

Grades are not provided using the traditional scoring system (ie: percentages). In the Grade 8 Applied Skills program, students are developing skills therefore assessment is focussed on the acquisition of those skills. It is expected that as the term unfolds, each student’s will improve through repetition and practice. As these skills improve so too will their achievement. At reporting time, the mark will best indicate where the student’s skill acquisition is at that moment (ie: the “now”) rather than an average for their entire body of work term.

As far as Report Cards go... the school district has moved away from percentages for Grade 8 and 9 courses this year. They have been replaced by letter grades.

Communication and Tutorials

Communication: The easiest way to get in touch with me outside of regularly scheduled class time is through email: GARobertson@sd44.ca

Tutorials: I am available Every Morning from 8:30 to 9:10 by Appointment. I am also available most days after school – again, by appointment only.

Shop Safety Principles & Guidelines:

1. Are you **DRESSED/PROTECTED** appropriately!?
Wearing: Safety goggles
Hearing protection
Closed toed shoes or boots
Not Wearing: Jewelry

Loose clothing

Loose, untied hair

2. Do you have **PERMISSION** to be using that equipment?
3. Always follow posted **PROCEDURES** for each machine
4. **RESPECT**...
 - Your classmates
 - Your teacher
 - Your classroom
5. **PUNCTUALITY** – please arrive to class on time as instructions for the period almost always take place in the first 15 minutes of class
6. Everybody likes a **CLEAN SHOP**...
 - Please leave the shop in the same condition you found it in!
7. Do you have **PERMISSION** to leave the shop?
8. **HORSEPLAY** is not permitted in our shops!