

CONSTRUCTION 10

Cabinetry and Furniture Building

Mrs. K. Richardson
Office: CTS Dept.

email: kathryn.richardson@rdpsd.ab.ca
phone #: 403-342-6655 ext. 1356

This course will allow you to demonstrate your ability to design and work with various materials within the construction lab. We will focus on work habits, safety, communication, teamwork and you will develop creative problem solving techniques while building projects. Your goal in this course should be to develop basic competencies while working safely with both hand and power tools.

Module Descriptions

Con 1010: Construction Tools and Materials

Students develop basic hand tool and production skills to transform common building materials safely into useful products.

The student will:

1. *identify and describe the safe use of basic hand tools*
2. *identify and compare the properties of common materials used in construction activities*
3. *apply construction processes and skills to produce a product*
4. *demonstrate basic competencies within the shop environment*

Con 1120: Product Management

Students develop basic shop drawing and estimating skills and apply them to build a product.

The student will:

1. *Prepare a full size shop drawing*
2. *Prepare a material estimate and work schedule*
3. *Construct a product with multiple parts*

Con1130: Solid Stock Construction

Students develop basic hand and power tool skills to build a product made from solid wood.

The student will

1. *identify and describe the physical characteristics of a variety of hard and soft woods*
2. *follow a set of detailed drawings*
3. *construct a wooden product, using basic joinery techniques*

Con 1160: Manufactured Materials

Students select the appropriate materials and tools to build a product structure from a wood composite or another manufactured material.

The student will:

1. *Identify and describe the characteristics of common manufactured materials*
2. *Demonstrate the safe use of a given power tool*
3. *Create a product from a manufactured material*

Con 1910: Con Project A

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

The student will:

1. *Identify the connection between this project course and two or more CTS courses*
2. *Meet goals as defined within the plan*
3. *Propose the project and/or performance*

Optional:

Con 1140: Turning operations

Students use wood turning equipment and techniques to create a faceplate and spindle turning made from solid stock.

The student will

1. *Demonstrate the safe use of the wood lathe*
2. *Design and prepare a template*
3. *Use of a wood lathe to produce a face plate and a spindle turning product*

Lab Clean-up: Each student will also be responsible for an area of lab clean-up. A portion of the student's grade will be dependent on efforts during this time in class.

Digital Citizenship is the appropriate and responsible behavior with regards to technology use. Digital citizenship should be practiced in every course, throughout the school and at home. It is an ongoing partnership between teachers, students, and parents. Just as teachers build awareness of the importance of digital citizenship at school, parents build and reinforce these concepts at home. Students need to approach any use of technology with the digital citizenship components in mind.

Electronic devices are permitted in instructional areas with the instructor's permission and inappropriate use may result in loss of privileges. In such circumstances or in situations of defiance, student may be referred to administration.