

Salisbury Composite High School
Building Construction 10 Course Outline 2015
Instructor: Mr. A. Breitkreuz
B of Ed., Industrial Education

Construction 10 is an introductory 5 credit course, although 6 or 7 credits may be earned. Although it is helpful to have had some shop experience it is not necessary. Students will be expected to put forth their best effort and develop their skill set. The first three weeks of the class will be Safety instruction, classroom & written work, and demonstrations, followed by shop work.

Please refer to Mr. Breitkreuz's eTeacher page @ Salcomp.ca for other information and to look at previous student project pictures

Students will need the following to participate in the class::

1. This course outline signed by a parent or guardian.
2. A correctly completed EIPS/SAL safety contract signed by parent or guardian, as well as the student.
3. A signed computer agreement form.
4. 1 pair of basic safety glasses. ANSI 787.1 standard is required. Students may purchase from the school for \$5 ea. \$12 for a pair that fit over larger eyeglasses.
5. Pencils and a Duotang with about 20 sheets of paper.

Important information for Parents and Students:

Shop Fees:

Shop fees go toward purchasing expendable such as glue, sandpaper, finishes, and some materials. Unfortunately, due to the economic circumstance (significantly rising lumber price, low CDN dollar), we are not able to cover all the materials for the course. As such, once the student has used up their allotment of material, they must PRE pay for material using our best estimate before proceeding on the projects. In Grade 10 this should be between \$10 and \$40 dollars for 5 credits, depending on the type of materials chosen. Invoices will be written, they will be paid in the office, and receipts will be issued. Students wishing to complete the 6th and 7th credits will be charged for all materials before proceeding. All hardware, hinges, clasps, and specialized screws and nails will be billed, including shipping. If mistakes are made and further material is required, it will also be invoiced. Some single grade

10 projects can range up to about \$60 for one module. Example: Cajon Drum Box with on/off snare: \$60 Other examples: Basswood bowl blank for wood lathe: \$14. Small cherry box: \$12, small walnut box: \$22. All prices subject to change.

Classroom Procedures:

Students will be expected to be on time, and prepared for class with their safety glasses, pencils, books and closed toe shoes. Students who do not have their material will be considered unprepared for class. Students are expected to work on their work or projects in a safe and respectable manner. Homework deadlines must be met. Cleaning up is actually 10% of each module mark, and ensures a safe work environment.

Courses/Modules in Construction 10

CON1010: CONSTRUCTION TOOLS & MATERIALS Students develop basic hand tool and production skills to transform common building materials safely into useful products. Prerequisite: None . This is also a prerequisite for all further modules.

CON1070: BUILDING CONSTRUCTION Students examine common building systems and develop basic skills related to building a simple model or full-size system/structure.

Prerequisite: CON1010: Construction Tools & Materials

CON1120: PRODUCT MANAGEMENT Students develop basic shop drawing and estimating skills and apply them to build a product. This course is a prerequisite for all 20 level courses.

Prerequisite: CON1010: Construction Tools & Materials

CON1130: SOLID STOCK CONSTRUCTION Students develop basic hand and power tool skills to build a product made from solid wood.

Prerequisite: CON1010: Construction Tools & Materials

CON1140: TURNING OPERATIONS Students use wood turning equipment and techniques to create a faceplate and spindle turning made from solid and/or built-up stock. Prerequisite: CON1010: Construction Tools & Materials

CON1160: MANUFACTURED MATERIALS Students select and use the appropriate materials and tools to build a product or structure from a wood composite or another manufactured material. Prerequisite: CON1010: Construction Tools & Materials

CON1910: CON PROJECT A. Students develop project design and management skills to extend and enhance competencies

Evaluation: Varies by Module or Course:

Con1010: Has a high component of written work 60% written, and 40% practical. All others: 70% practical, 30% written. There is a formative component for each module. Practical is based on project mark, as well as student's shop work: including organization, time management, use of tools, work collaboratively, responsibility. Students who earn 7 credits may be eligible for a spare for the last two weeks of the semester.

If you have any questions or concerns, please feel free to call me at 780-467-8816 ext. 5735 or email me at aaron.breitkreuz@eips.ca

I am looking forward to a great year in Building Construction.

Sincerely:

Mr. A. Breitkreuz
Building Construction Instructor
Salisbury Composite High School

Student Name: _____

Parent Guardian Name: (please print): _____

Parent Signature: _____