

Salisbury Composite High School  
Building Construction 30 Course Outline 2015  
Instructor, Mr. A. Breitkreuz  
B. of Ed., Industrial Education

Building Construction 30 is an advanced level course that focuses on higher level skills and knowledge as related to the design, construction and fabrication of wood and related materials. The student must realize that safety is our first and highest concern. Our secondary but very important second concern is quality of workmanship and product. It is expected that students will choose their module path within 10 days of the course starting. Students will be expected to choose 5 and complete all 5. Projects in Construction 30 are larger, more difficult, and therefore more costly. Some projects may be built for resale. You may choose from 20 level modules if you have not taken them, however, it is your responsibility to choose 30 level credits if need them to graduate.

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 construction 30 this could be between \$50 dollars for \$250 credits, depending on the type of materials and projects chosen. Invoices will be written, they will be paid in the office, and receipts will be issued. Students wishing to complete the 6<sup>th</sup> and 7<sup>th</sup> 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 Construction 30 level projects can range up to about \$60 for one module. Example: Cajon Drum Box with on/off snare: \$60 Electric Guitar: \$200 to \$600 Single cabinet with draw and door. \$40 to \$160, depending on size and material. Walnut and Cherry leg and rail night stand with drawer \$100 to \$140. All prices subject to change.

Construction 30 Modules you may choose from:

**(Required) CON3120: TOOL MAINTENANCE** Students develop skills in preventive maintenance by routinely inspecting and servicing production tools and equipment. *Prerequisite: CON1010: Construction Tools & Materials*

**CON3130: FURNITURE MAKING 3 (LEG & RAIL)** Students use solid and/or manufactured materials and leg-and rail or pedestal construction techniques to build a free-standing piece of furniture. *Prerequisite: CON1120: Product Management*

**CON3140: FURNITURE MAKING 4 (SURFACE ENHANCEMENT)** Students explore and demonstrate the use of veneer, inlay, carving and/or marquetry techniques to enhance the appearance of a product or component. *Prerequisite: CON1120: Product Management*

**CON3150: FURNITURE REPAIR** Students apply basic knowledge of furniture construction and materials to repair or replace existing components or coverings. *Prerequisite: CON1120: Product Management*

**CON3160: CABINETMAKING 3 (CABINETS/COUNTERTOPS)** Students develop the knowledge and skills required to build and install a simple cabinet/countertop, complete with an appropriate backsplash and edge treatment. *Prerequisite: CON1120: Product Management*  
*Projects d and e must be separate projects.*

**CON3910: CON PROJECT D** Students develop project design and management skills to extend and enhance competencies and skills in other Career and Technology Studies (CTS) courses through contexts that are personally relevant *Prerequisite: None*

**CON3920: CON PROJECT E** Students develop project design and management skills to extend and enhance competencies and skills in other Career and Technology Studies (CTS) courses through contexts that are personally relevant. *Prerequisite: None*

Evaluation: Varies by Module or Course:

CON3120: (required) 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, working collaboratively, and responsibility.

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](mailto:aaron.breitkreuz@eips.ca)

I am looking forward to a great year in Building Construction 30.

Sincerely:

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

Student Name: \_\_\_\_\_

Parent Guardian Name: (please print): \_\_\_\_\_

Parent Signature: \_\_\_\_\_