



Our Savior Christian Academy

Curriculum Framework for: Shop

Our Savior Christian Academy's "Curriculum Framework for Shop" is designed as a tool that will follow the same format for all grades K-7. Each grade level will have a separate section based on classroom structure, and it will be up to each individual teacher to design a lesson plan that fits their classroom needs based on these standards and suggestions. Our Savior Christian Academy's "Curriculum Framework for Shop" is offered to the glory of God that it may be a blessing among Lutheran school educators and their students.

✘ PHILOSOPHY ✘

Shop encourages students to recognize and acknowledge the beauty and order of God's creation. It seeks to bring its students to the realization that they are part of a global society which is becoming more and more interdependent and that they must be conscious of the importance of their place in this society.

Elementary Shop

Elementary shop classes highlight construction of wood projects using hand tools. Decorating their projects boosts individuality and confidence using design transfer techniques from paper to wood. Wood stains, water colors, and colored pencils are used to decorate patterned areas etched into the wood surface. Practical skills include design work, assembly techniques, use of glue and nails, and wood finishing strategies.

Assessment is based on:

- *Appropriate and safe use of tools and shop environment
- *Engagement
- *Pride in work
- *Seeking help
- *Following directions
- *Demonstrating initiative and curiosity
- *Showing perseverance
- *Attitude and behavior
- *Respect for and willingness to work with others
- *Use of class time
- *Written self-evaluations
- *Teacher observation and written evaluations based on effort, ability to work in a group, understanding of tools and materials, attitude, and willingness to accept challenges

Level 1 & 2

Objective- Safe and purposeful use of hand tools and materials: hammer, saws, nails & nail set, screws & screwdriver, sandpaper, measuring tapes, clamps, squares, glue, and soft wood

- Students begin drawing, planning of projects (drawings usually in two dimensions with hidden 3rd dimension parts exposed as if flattened)
- Beginning understanding of use of layout tools, i.e., framing and try squares
- Independent project development
- Follow simple oral directions
- Beginning understanding of visualization and communication of ideas
- Beginning understanding of size and volume.
- Relationships – Understand how parts interact with each other and the whole
- General understanding of length and width
- Begin to understand symmetry
- Students are encouraged to act as teachers to each other, to share ideas or to work cooperatively on projects. In addition students are asked to be respectful of the shop environment and their peers. This would include caring for the tools, using the space wisely, using materials conservatively, and respecting the work of others

Idea: Students finish and decorate a bird house. Skills taught include design transfer techniques, watercolor washes, colored pencil work, and heat transferred ink images can be included in the project. Colored string wraps challenge students' agility and concentration to learn a new technique.

Shop-Level 3 & 4

Objective- Understand the nature and limitations of wood as a material, the ability to pre-conceptualize, and the important connection between form and function. Students will be taught to evaluate and understand texture, finish, and the cohesiveness of design.

- Students begin drawing, planning of projects (drawings usually in two dimensions with hidden 3rd dimension parts exposed as if flattened)
- Beginning understanding of use of layout tools, i.e., framing and try squares
- Independent project development
- Follow simple oral directions
- Beginning understanding of visualization and communication of ideas
- Beginning understanding of size and volume.
- Relationships – Understand how parts interact with each other and the whole
- General understanding of length and width
- Begin to understand symmetry
- Students are encouraged to act as teachers to each other, to share ideas or to work cooperatively on projects. In addition students are asked to be respectful of the shop environment and their peers. This would include caring for the tools, using the space wisely, using materials conservatively, and respecting the work of others

Idea: Students design a personalized name placard. Thumbnail sketching begins the design processes. Full scale renderings cut into stencils by each student allow for tracing designs onto a flat board. Once cut by the instructor, the placards are shaped, sanded and decorated. Decoration work includes water coloring, colored pencil drawing, and routed etching details.

Shop-Level 5 & 6

Objective- Understanding elements of design, sophisticated woodworking techniques, sculptural explorations in low, medium, high relief in paper and wood carving. Also, building on previous tool knowledge, techniques, etc.

- Students drawing and plan projects (drawings usually in two dimensions with hidden 3rd dimension parts exposed as if flattened)
- Understanding of use of layout tools, i.e., framing and try squares
- Independent project development
- Follow simple oral directions
- Understanding of visualization and communication of ideas
- Understanding of size and volume.
- Relationships – Understand how parts interact with each other and the whole
- General understanding of length and width
- Understand symmetry

Idea Students design and build a coat rack. The personalized shapes are cut from full-sized paper drawings and transferred onto wood. Shapes are cut out and individualized artistic finishes are applied after shaping and sanding. Drilling for the installation of pegs completes the project.

Integrating Faith

Students will complete projects while recognizing and accepting the uniqueness of every individual. Students are expected to strive for excellence in the spiritual, intellectual, physical development of the whole individual.