

7th Grade Tech Ed

MP4 2025-26:

Your child will experience the Design Process by starting with an idea, brainstorming options, and selecting material. Next comes processing the material by cutting, sanding, staining and finally assembling and finishing their “manufactured” product ready for “distribution”. They will be making a wooden box to hold notepads that they will later design. Students used Band Saws, Scroll Saws, Chop Saw, Hand saws, Belt and Disc Sanders, Random Orbital Sanders, foam brushes for stain and bristle brushes for polyurethane and finally a pneumatic Nail Gun to put it all together! Additionally, as for material, they used Southern Yellow Pine, Wood Stain, Wood Putty, Wood Glue, Nails and Polyurethane. They will continue by designing, printing and gluing up memo pads for the box. When all is done they have gone through a simulation of the Design Process in Manufacturing a product for sale.

Following this experience we will work on smaller more General Engineering based projects like building the tallest tower with just tape and copier paper, or one that can hold the weight of a golfball, or a transportation system that can carry a “passenger” paper clip ten feet in a flat line horizontal to the floor plane.