

PowWow 2008 – Class Guide

Introduction - 15 min

Tom	<p>Song (Not really)</p> <p>Introductions</p> <p>Why are you here?</p> <ul style="list-style-type: none">• Biggest reason is to get new ideas (we have a lot on display)• To learn a little more about the materials, tools, & skills needed (later) <p>Why do wood projects with kids?</p> <ul style="list-style-type: none">• Kids love it. They gives a sense of control over a tough material They get a thrill from using things that they've made themselves• We take some cues from the Swedish “sloyd” system "sloyd" = “handicraft”. It is a curriculum of wood, metal, and textile education in the primary schools founded in 1880 that is still used Key ideas: <u><i>Considered as a developmental tool; children develop their brains by working with their hands</i></u><ul style="list-style-type: none">○ Similar to the argument for playing music Advances the intellect & confidence in innumerable ways (empowerment)○ Develops a respect for the dignity of labor○ Adds one new skill per project, over many projects ie. Cut a block of wood. Tack sand paper to it and you now have a pencil sharpener.• With cub scouts, the woodworking exposure is much more brief <p>Projects.</p> <ul style="list-style-type: none">• Projects should have some value/relevance for the kid when finished.• Projects should be focused:<ul style="list-style-type: none">○ introduce a few tools○ introduce or improve 1 or 2 skills, for example: nailing, sawing, drilling, measuring, using jigs (birds mouth, miter box, ...), painting/finishing○ Following a plan• You can prepare the project to remove obstacles that are not central to the focus.• OK to precut pieces if sawing is not the focus.• Allow room for the child to be creative• For practical reasons (time, number of adults available, ...) you have to provide some plan or constraints
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<p>Chuck</p>	<p>The adult's role</p> <ul style="list-style-type: none"> • Provide a safe environment • Offer know-how & support • “The value of the child’s work does not exist in [the object that’s made], but in child that made it.” • The project is finished when the child is satisfied with it. (as long as it’s safe and does it’s basic function) • Provide materials & tools <p>Materials</p> <ul style="list-style-type: none"> • Where to get it? Wood is where you find it. Do you know a carpenter; cabinet maker, etc Call a local cabinet shop & ask for scraps. • What to use? Ideally, straight grained pine, with few knots You might stumble across poplar or mahogany, which are also very good • Sometimes, the wood that you have can determine the size of the project parts. If the toolbox is supposed to be 14” long, but you got a bunch of 12” long boards for free..... • Plywood can be good in some applications, but you can’t really screw or nail into the edge • “exterior grade” plywood lasts longer for outdoor projects (birdhouses)

Use of hand tools – 5 min

<p>Tom</p>	<ul style="list-style-type: none"> • Use hand tools!!! BSA age guidelines (on CD) don't recommend power tools until Boy Scouts. But they don't define "power tools". Obviously, use common sense. We routinely used cordless screwdrivers/drills with proper eye protection & supervision. • Recommended tools: <ul style="list-style-type: none"> ○ Start a "pack" toolbox to be shared by dens ○ Plastic Speed square (rugged) ○ Japanese pull saw (easier to use) <p>Sawing Project– Door stop Great "scrap" wood project. Working with thicker wood, developing skills to cut straight with a different kind of saw. Boys find it easier to cut straight when following a vertical line</p>
<p>Chuck</p>	<ul style="list-style-type: none"> ○ Coping saw (kid size) ○ Scroll Saws ○ Rasp, ○ Sanding blocks, ○ lighter hammers ○ Hand Drills. <p>Drilling – Tee game Another "scrap" wood project Working on drilling straight holes, stopping at the right depth. Hint: you can transfer patterns using the iron from "photo copied" or "laser printer" plans</p>
<p>Tom</p>	<ul style="list-style-type: none"> • Useful Jigs: <ul style="list-style-type: none"> ○ Birds mouth, clamps, ○ miter box, ○ bench-hook (not w/ japanese saw) ○ Drilling Guide

Planning the meeting - 15min

<p>Chuck</p>	<p>Energizer – Nail Relay Race</p> <ul style="list-style-type: none"> • The hammer may only touch the nail <i>once</i> • Safety glasses must be worn • Round “2”, <i>hold the hammer in your other hand</i> <p>Reflection</p> <ul style="list-style-type: none"> • The other hand was tough. The purpose was to give you an idea of how a Cub picking up a hammer for the first time might feel. • Safety <ul style="list-style-type: none"> • Eye Safety. • Guide to Safe Scouting • Talking about safety with boys. <p>No long lectures, demonstrate and have them demonstrate back</p> <p>How to adjust the energizer for tigers/cubs/webelos</p> <ul style="list-style-type: none"> • use different woods and nails • each boy drive one nail • Can apply to sawing, drilling, driving screws
<p>Tom</p>	<p>Today’s project - Birdhouse key ring holder</p> <p>Goal: The kits are pre-cut, so the goal is nailing (That was the purpose of the Energizer)</p> <p>Leadership. Try projects ahead of time with your son. It allows you to work out the kinks. It also allows him to display some leadership skills helping others since he will “know how it’s done”.</p> <p>Jigs: to make holding & nailing easier</p> <p>Tie this requirement in with other requirements like Forestry:</p> <ul style="list-style-type: none"> • Today we are using pine, or butternut. • Bring information about the tree like leaves, bark, nut (if applicable), etc.

Take home project

Tom	<p>This year's take home project is a Button puzzle.</p> <ul style="list-style-type: none">• It requires cutting, drilling, and sanding (the project focus).• For safety purposes, you may want to have an adult drill the big holes on a drill press.• Measurements need not be exact.<ul style="list-style-type: none">○ Just make sure the “button” is bigger than the hole○ And don't make the string overly long.
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Q&A Session