

BUILDING

Overview

Number of Meetings: 3

Advancements:

Lion	<p><i>Animal Kingdom</i></p> <p>3. Choose two energy saving projects to practice in your home for two weeks.</p>
Tiger	<p><i>Tiger Adventure: Backyard Jungle</i></p> <p>3. Be helpful to plants and animals by planting a tree or other plant in your neighborhood.</p> <p>4. Build and hang a birdhouse.</p>
Wolf	<p><i>Council Fire</i></p> <p>6.a Learn about the three R's of recycling: reduce, reuse, and recycle. Discover a way to do each of these at home, at school, or in your community.</p> <p>6.c Create a den project from recyclables for a pack meeting.</p> <p><i>Call of the Wild</i></p> <p>2. Show how to tie an overhand knot and a square knot.</p>
Bear	<p><i>Bear Necessities</i></p> <p>8. Demonstrate how to tie two half hitches and explain what the hitch is used for.</p> <p><i>Fur, Feathers, and Ferns</i></p> <p>6. Learn about composting and how vegetable waste can be turned into fertilizer for plants.</p> <p>7. Plant a vegetable or herb garden.</p> <p>Baloo the Builder (optional)</p> <p>1. Discover which hand tools are the best ones to have in your toolbox. Learn the rules for using these tools safely. Practice with at least four of these tools before beginning a project.</p> <p>2. Select, plan, and define the materials for the projects you will complete in requirement 3.</p> <p>3. Assemble your materials, and build one useful project and one fun project using wood.</p> <p>4. Apply a finish to one of your wood projects.</p>
WELEBOS/AOL Elective (Optional)	<p>Build it</p> <p>1. Learn about some basic tools and the proper use of each tool. Learn about and understand the need for safety when you work with tools.</p> <p>2. With the guidance of your Webelos den leader, parent, or guardian, select a carpentry project and build it.</p> <p>3. List the tools that you use safely as you build your project; create a list of materials needed to build your project.</p> <p>4. Put a check mark next to the list that you used for the first time.</p> <p>5. Learn about a construction career. With your Webelos den leader, parent, or guardian, visit a construction site, and interview someone working in a construction career.</p>

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Supplies Needed:

- ✓ Craft sticks (Small) or sticks if you find them outside
- ✓ Elmer's Glue
- ✓ Twine (to hang birdhouse) & Rope (to make knots)
- ✓ Multicolor Permanent Markers
- ✓ 2 milk cartons per scout
- ✓ Scissors
- ✓ Paint and/or markers
- ✓ Sun butter/Wowbutter
- ✓ Bird Seed
- ✓ Soil
- ✓ Herb seed

Copies (1 per scout unless specified differently):

Session 1	<ul style="list-style-type: none"> ✓ The six essential Boy Scout Knots sheet set ✓ Hanging Birdhouse/feeder instructions ✓ Lion homework ✓ Lorax Workbook/Tool worksheet
Session 2	<ul style="list-style-type: none"> ✓ Composting worksheet ✓ Grow it tracker
Session 3	<ul style="list-style-type: none"> ✓ Recycling game (1 set per 4 scouts)

Session 1

Preparation and Materials needed	<ul style="list-style-type: none"> ✓ Materials needed for this session: Rope or yarn, large size craft sticks (50 sticks per scout), wood glue, "The six Boy Scout knots" sheets, hanging birdhouse instructions, peanut butter or Sunbutter, bird seed ✓ Have the attendance sheet out and ready ✓ Review the session to be prepared to lead the discussion. Do not read it to the scouts, be prepared ahead of time to smoothly lead the session.
Gathering	The six essential Boy Scout knots
Opening	<ul style="list-style-type: none"> ✓ Pick 2 scouts to hold the flag, 1 scout to lead the Oath; 1 scout to lead the Law. ✓ Ensure all of the scouts are focused and ready to begin
Talk Time	Energy Saving (Use the Join the Lorax booklet)
Activity	Build a Birdhouse/feeder
Closing	<ul style="list-style-type: none"> ✓ Point out positive behaviors and activities shown during this session. ✓ Tell the scouts what next session will be. ✓ Have the scouts clean up the room
After the meeting	<ul style="list-style-type: none"> ✓ Enter the advancements per rank. <ul style="list-style-type: none"> • Lion – Animal Kingdom 3 (homework) • Tiger – Backyard Jungle 4 • Wolf – Call of the Wild 2 • Bear – Bear Necessities 8 • Webelos – Build it (homework) • Arrow of Light – Build it (homework) ✓ Enter attendance ✓ Turn in any needed documents into the district/council ✓ Call, text, or e-mail 2 parents to share something positive about their scout. Make sure every scout has a positive comment before you return to these scouts.

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Gathering: Knots

Give each scout several lengths of rope/yarn and craft sticks. Use the six essential Boy Scout knots sheet to have the boys practice the knots. Make sure the Wolves demonstrate how to tie an overhead knot and a square knot. The Bears should demonstrate a two half hitch knot and ask them what this type of knot is used for.

Visit the knots after making the bird house. Ask the boys to pick a knot they think will be best to hang a birdfeeder up with.

Talk Time: Help save energy, water, and protect the planet

Ask the Scouts who have seen the Dr. Suess movie "The Lorax". Ask what they think the movie is really about.

Allow the scouts to give different answers.

The Lorax is proud to speak for the earth. We are going to work through a workbook to learn more about saving energy, water, and protect the planet. After we do it together, we will use recycled items to create a birdhouse.

Activity: Build a Birdhouse/feeder

1. Give all of the scouts the instruction sheet and needed material
2. Allow the scouts to explore other ways to be creative with building the bird house with the given material.
3. Ensure the scouts attach a string using a square knot to hang the house outside
4. Have the scouts smear some peanut butter or Sun butter on the inside of their birdhouse. The butter is used to glue bird seed inside the house during transport. Sprinkle the peanut butter with bird seed. Make sure to shake the bird house to knock loose seed out of the house before the scout leaves.

Closing:

- ✓ Point out positive behaviors and activities shown during this session.
- ✓ Tell the scouts what next session will be.
- ✓ Have the scouts clean up the room
- ✓ Give the Bears, WEBELOS and AOLs their homework sheets.

Session 2

Preparation and Materials needed	<ul style="list-style-type: none">✓ Materials needed for this session: empty single serve milk/juice carton (1 per scout), 1 small size craft sticks (per scout), Elmer's glue, and crayons/markers, scissors, dirt, seeds, cups, newspaper or tablecloths to protect the table.✓ Have the attendance sheet out and ready✓ Review the session to be prepared to lead the discussion. Do not read it to the scouts, be prepared ahead of time to smoothly lead the session.
Gathering	Recycle or Compost sorting worksheet
Opening	<ul style="list-style-type: none">✓ Pick 2 scouts to hold the flag, 1 scout to lead the Oath, and 1 scout to lead the Law.✓ Ensure all of the scouts are focused and ready to begin
Talk Time	Dirt and Composting,
Activity	Plant an Herb
Closing	<ul style="list-style-type: none">✓ Point out positive behaviors and activities shown during this session.✓ Send home composting paper with scouts.

Developed at Crossroads of America Council - After School District - Lead by Josette Crawford
Committee members:

Melissa Cox, Alyssa King, Laura Mayancela, Sean McDonald, Breaira O'Shea, Ariel Relf, Janna Turner, Kyle Winton

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	<ul style="list-style-type: none">✓ Tell the scouts what next session will be.✓ Have the scouts clean up the room
After the meeting	<ul style="list-style-type: none">✓ Enter the advancements per rank.<ul style="list-style-type: none">• Lion - None• Tiger – None• Wolf – Council Fire 6.c• Bear – Fur, Feathers, and Ferns 6• Webelos – None• Arrow of Light – None✓ Enter attendance✓ Turn in any needed documents into the district/council✓ Call, text, or e-mail 2 parents to share something positive about their scout. Make sure every scout has a positive comment before you return to these scouts.

Gathering: Recycle or Compost sorting worksheet

Make sure each scout has scissors and crayons to complete the worksheet.

Talking Time: The Dirt on Composting

Leader – Last session we talked about the importance of protecting the environment. This week we will talk about dirt and how bugs make our dirt good for growing things through composting.

What is Composting?

Composting is a term that is used when someone controls the decomposition (breakdown) of natural waste, organic solid wastes. Usually composting is done in a bin or heap, where natural rubbish is allowed to mix together and decomposed into a crumbly fertilizer.

Why Should I Compost?

Not only does composting help us reduce the amount of rubbish that we bin, and the risks of further polluting the air, land and water with this rubbish, but composting is also an easy way to get some excellent – and free – fertilizer for the garden. (Not to mention it's always fun to get a particularly wormy, gross compost heap going!)

How do I Begin Composting?

If you live in a city or have a very small garden, composting may not be the right option for you. But if you live outside of urban (city) areas and have a large garden that you enjoy taking care of, composting is as easy as designating a bin or a small section of land for your compost heap. If you choose to use a bin, cut out the bottom so that the compost material can touch the earth. If you choose to designate an area of the garden, make sure that it has some sort of shelter for the heap. As you add materials to the heap, try to make sure that they are always a little moist, that they are sheltered from wind and rain, and that air can circulate freely through the heap.

What Materials can be Composted?

Many organic and natural materials can be composted. Grass cuttings, leaves, flowers and vegetable scraps can all be composted, as can fruit scraps and peels, leftover table scraps and egg shells, coffee grounds and stale bread. Paper, cardboard, sawdust, animal manure and seaweed can also be composted. Do not attempt to add meat scraps, wood

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branches, metal, glass, plastics or any type of garden waste that has been sprayed with pesticides or other chemicals. These items do not decompose well and will hold up the efficiency of your compost heap.

How do I Control Pests when I Compost?

As you add each layer to your compost heap, make sure that you cover them completely with a thin layer of lime and then top it off with a layer of soil. Adding a mesh cover to the top of a bin will help to keep flies away, as will a layer of sawdust shavings added to the top of each heap. To keep out rats, ask your parents to install a sheet of mesh between the bottom of the heap and the soil so that worms can still get through but rats will be kept out.

What do I do With Compost?

Compost is an excellent natural fertilizer for your garden. You will know that the contents of your compost heap are ready to be used when they look kind of crumbly and smell like earth. When your compost heap is ready, you can layer the contents in the top-soil of garden beds, scatter it like mulch around the bottom of trees, plants and shrubs, or mix it into the soil that you use in your potted plants. This rich fertilizer will help your flowers and plants be nourished and bloom more quickly and easily.

Activity: Plant a Herb

- Make sure each scout has their own cleaned milk carton
- Use a permanent marker and write the scouts name on the carton
- Carefully fill each carton with soil
- Plant several Herb seeds in each carton
- Allow the scouts to water the seeds
- Use the grow, grow, grow worksheet to track plant growth
- Find a safe place to leave the plants at the location to track the growth of the herbs
- After 4 weeks have the scouts take the planter home

Closing:

- ✓ Point out positive behaviors and activities shown during this session.
- ✓ Send home composting paper with scouts.
- ✓ Tell the scouts what next session will be.
- ✓ Have the scouts clean up the room

Session 3

Preparation and Materials needed	<ul style="list-style-type: none">✓ Materials needed for this session: The session 2 dried planter, Multicolored permanent markers, garden dirt, herb seeds, sort it out worksheet, Sorting Recycling game (1 copy per 4 scouts), paint & crayons✓ Have the attendance sheet out and ready✓ Review the session to be prepared to lead the discussion. Do not read it to the scouts, be prepared ahead of time to smoothly lead the session.
Gathering	In the Wrong Place Worksheet
Opening	<ul style="list-style-type: none">✓ Pick 2 scouts to hold the flag, 1 scout to lead the Oath, and 1 scout to lead the Law.✓ Ensure all of the scouts are focused and ready to begin

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Talk Time	Recycling
Activity	<ul style="list-style-type: none"> • Complete the planter from recycled material • Play the Sorting game
Closing	<ul style="list-style-type: none"> ✓ Point out positive behaviors and activities shown during this session. ✓ Tell the scouts what next session will be. ✓ Have the scouts clean up the room
After the meeting	<ul style="list-style-type: none"> ✓ Enter the advancements per rank. <ul style="list-style-type: none"> • Lion - None • Tiger – Backyard Jungle 3 • Wolf – Council Fire 6.a • Bear – Fur, Feathers, and Ferns 7 • Webelos – None • Arrow of Light – None ✓ Enter attendance ✓ Turn in any needed documents into the district/council ✓ Call, text, or e-mail 2 parents to share something positive about their scout. Make sure every scout has a positive comment before you return to these scouts.

Gathering: In the Wrong Place worksheet

- ✓ Make sure the scouts have the sheets at the seats as soon as they enter
- ✓ Make sure each scout has pencils and crayons to complete the sheets.

Talk Time: Recycling

The 3 R's of Recycling is very important. The 3 R's are Recycle, Reuse, and Renew. We reused materials by using your old milk carton and turning it into a planter. On the back of your worksheet are some easy ways to Recycle, Reuse, and Renew common items.

But, did you know you can recycle your electronic devices as well?!?!?!

E-Waste

As we replace old electronic products with newer models, the stockpile of used and obsolete products grows. In the United States, millions of electronic devices are discarded each year, making electronics one of the fastest growing parts of the waste stream.

Electronics contain heavy metals, including lead, mercury, cadmium, and hexavalent chromium that can be harmful if released into the environment. Recycling electronics ensures these materials are safely managed and that valuable materials such as steel, glass, and plastic, as well as precious metals such as copper, gold, tin, silicon, and aluminum are reclaimed for the manufacturing of new products. Reusing and recycling raw materials from e-waste conserves natural resources and avoids pollution. Indiana's E-Cycle Program allows for many electronic devices to be kept out of landfills and incinerators and creates recycling opportunities for Indiana residents.

The following items are prohibited from being discarded by Indiana households, public (including charter) schools, and small businesses:

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Televisions

Computer monitors

Computers (including desktops, laptops, and tablets)

E-readers

Fax machines

Peripherals (including keyboards, mice, external hard drives, printers, all-in-one printer/scanner/copiers, projectors, and any other devices that are sold exclusively for external use with a computer and provide input into or output from a computer)

DVD players (including gaming systems that are able to play DVDs)

Digital photo frames

Digital media players

iPods/MP3 players

Camcorders/cameras

DVR/TiVo devices (including cable boxes and satellite boxes, but not satellite dishes)

Portable GPS navigation systems

HERE IS A RESOURCE TO REVIEW BEFORE YOUR MEETING:

-GWCRI.COM/SERVICES.PHP

Activity: Finish the Planter

- Give all of the scouts their planter, markers, soil, and seeds
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- Once it is decorated have the scouts fill the planter with the soil and plant the Herb seeds

Activity: Recycling game

As the boys finish the planter put them in groups of 4 and do the recycling game

- ✓ Before the meeting cut the different recyclable cards out.
- ✓ Have the boys race to sort the cards in the correct bins.
 - This can be done at a table or make it into a relay race.

Closing

- ✓ Point out positive behaviors and activities shown during this session.
- ✓ Tell the scouts what next session will be.
- ✓ Have the scouts clean up the room