

**Building**  
Session 3

Preparation and Materials needed	<ul style="list-style-type: none"> <li>✓ Materials needed for this session: The session 2 dried planter, Multicolored permanent markers, garden dirt, herb seeds, "In the Wrong Bin" worksheet, Sorting Recycling game (1 copy per 4 scouts), 1 die, &amp; crayons</li> <li>✓ Have the attendance sheet out and ready</li> <li>✓ 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.</li> </ul>
Gathering	"In the Wrong Bin" color sheet
Opening	<ul style="list-style-type: none"> <li>✓ Pick 2 scouts to hold the flag, 1 scout to lead the Oath, and 1 scout to lead the Law.</li> <li>✓ Ensure all of the scouts are focused and ready to begin</li> </ul>
Talk Time	Recycling
Activity	<ul style="list-style-type: none"> <li>• Step 2 of building a planter from recycled material</li> <li>• Play the Sorting Relay game</li> </ul>
Closing	<ul style="list-style-type: none"> <li>✓ Point out positive behaviors and activities shown during this session.</li> <li>✓ Tell the scouts what next session will be.</li> <li>✓ Have the scouts clean up the room</li> </ul>
After the meeting	<ul style="list-style-type: none"> <li>✓ Enter the advancements per rank. <ul style="list-style-type: none"> <li>• Tiger – Backyard Jungle 3</li> <li>• Wolf – Council Fire 6.a</li> <li>• Bear – Fur, Feathers, and Ferns 7</li> <li>• Webelos –</li> <li>• Arrow of Light –</li> </ul> </li> <li>✓ Enter attendance</li> <li>✓ Turn in any needed documents into the district/council</li> <li>✓ 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.</li> </ul>

**Talk Time:** Recycling

The 3 R's of Recycling is very important. The 3 Rs are Recycle, Reuse, and Renew. We are reusing materials by using your old milk carton and turning it into a planter. Here are some fun facts about recycling:

METALS

- Recycling one aluminum can saves enough energy to run a TV for three hours -- or the equivalent of a half a gallon of gasoline.
- 350,000 aluminum cans are produced every minute!
- More aluminum goes into beverage cans than any other product.
- Once an aluminum can is recycled, it can be part of a new can within six weeks.
- Because so many of them are recycled, aluminum cans account for less than 1% of the total U.S. waste stream, according to EPA estimates.
- During the time it takes you to read this sentence, 50,000 12-ounce aluminum cans are made.
- An aluminum can that is thrown away will still be a can 500 years from now!
- There is no limit to the amount of times aluminum cans be recycled.
- Aluminum can manufacturers have been making cans lighter -- in 1972 each pound of aluminum produced 22 cans; today it yields 29 cans.
- We use over 80,000,000,000 aluminum pop cans every year.
- At one time, aluminum was more valuable than gold!

- A 60-watt light bulb can be run for over a day on the amount of energy saved by recycling 1 pound of steel. In one year in the United States, the recycling of steel saves enough energy to heat and light 18,000,000 homes!
- Every ton of recycled steel saves 2,500 pounds of iron ore, 1,000 of coal, and 40 pounds of limestone.

#### PAPER

- To produce each week's Sunday newspapers, 500,000 trees must be cut down.
- Recycling a single run of the Sunday New York Times would save 75,000 trees.
- If all our newspaper was recycled, we could save about 250,000,000 trees each year!
- If every American recycled just one-tenth of their newspapers, we would save about 25,000,000 trees a year.
- During World War II when raw materials were scarce, 33% of all paper was recycled. After the war, this number decreased sharply.
- If you had a 15-year-old tree and made it into paper grocery bags, you'd get about 700 of them. A supermarket could use all of them in under an hour! This means in one year, one supermarket goes through 60,500,000 paper bags! Imagine how many supermarkets there are in the U.S.!!!
- The average American uses seven trees a year in paper, wood, and other products made from trees. This amounts to about 2,000,000,000 trees per year!
- The amount of wood and paper we throw away each year is enough to heat 50,000,000 homes for 20 years.
- When you smell a dump, what you actually smell is the paper in the dump!
- Approximately 1 billion trees worth of paper are thrown away every year in the U.S.
- Americans use 85,000,000 tons of paper a year; about 680 pounds per person.
- The average household throws away 13,000 separate pieces of paper each year. Most is packaging and junk mail.
- 27% of the newspapers produced in America are recycled.
- Each ton (2000 pounds) of recycled paper can save 17 trees, 380 gallons of oil, three cubic yards of landfill space, 4000 kilowatts of energy, and 7000 gallons of water. This represents a 64% energy savings, a 58% water savings, and 60 pounds less of air pollution!
- The 17 trees saved (above) can absorb a total of 250 pounds of carbon dioxide from the air each year. Burning that same ton of paper would create 1500 pounds of carbon dioxide.
- The construction costs of a paper mill designed to use waste paper is 50 to 80% less than the cost of a mill using new pulp.

#### PLASTIC / STYROFOAM

- Americans use 2,500,000 plastic bottles every hour! Most of them are thrown away!
- Plastic bags and other plastic garbage thrown into the ocean kill as many as 1,000,000 sea creatures every year!
- Americans throw away 25,000,000 plastic beverage bottles every hour!
- Recycling plastic saves twice as much energy as burning it in an incinerator.
- American throw away 25,000,000,000 styrofoam coffee cups every year.

#### GLASS

- Every month, we throw out enough glass bottles and jars to fill up a giant skyscraper. All of these jars are recyclable!
- The energy saved from recycling one glass bottle can run a 100-watt light bulb for four hours. It also causes 20% less air pollution and 50% less water pollution than when a new bottle is made from raw materials.
- A modern glass bottle would take 4000 years or more to decompose -- and even longer if it's in the landfill.
- Mining and transporting raw materials for glass produces about 385 pounds of waste for every ton of glass that is made. If recycled glass is substituted for half of the raw materials, the waste is cut by more than 80%.

#### **Activity:** Finish the Planter

- Give all of the scouts their planter, markers, soil, and seeds
- Allow the scouts to decorate the planter
- 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