CUBS MEETING SCHEDULE : Week 3

Theme: Save Waste = Save Energy

Date:

Time	*Activity*	*Program Details*	*Leader Responsible*
10 mins	Gathering Activity Climate Change Cootie Catchers		
5 mins	Opening Ceremony		
10 mins	Game Recycling Challenge		
15 mins	Theme Activity Re-used Super Product		
10 mins	Game Line Tag		
20 mins	Theme Activity Recycled Rain Stick		
10 mins.	Story In My Day …		
10 mins.	Six Meeting		
5 mins	Spiritual Fellowship		
5 mins	Closing Ceremony		
15 mins	Leader Discussion Time		

Meeting Notes:

CUB MEETING SCHEDULE
CLIMATE CHANGE: WEEK 3
Theme: Save Waste = Save Energy

Introduction: The manufacture, distribution, and use of products - as well as management of the resulting waste - all result in greenhouse gas emissions.

By reusing goods and purchasing recycled products, less energy is needed to extract, transport and process raw materials. When energy demand decreases, fewer fossil fuels are burned and less carbon dioxide is emitted into the atmosphere.

Trees absorb carbon dioxide from the atmosphere and store it in wood in a process called "carbon sequestration." Waste prevention and recycling paper products allows more trees to remain standing in the forest, where they can continue to remove carbon dioxide from the atmosphere and help regulate our climate.

Objective: To introduce the Cubs to some of the ways that we can save energy through waste reduction and how this is related to climate change.

GATHERING ACTIVITY

Climate Change Cootie Catchers

(also known as finger flippers)

Objective:

To give the Cubs an information source at the beginning of the evening to get them curious about recycling and to reinforce the “Saving Energy” concepts.

Background Information:

The answers for the questions to the Cootie Catcher are on the template.

Equipment:

- Photocopied sheets of the model provided (see page 6).
- Scissors.

Instructions:

- The Cubs make the Cootie Catchers by using the instructions or by following the leader step by step.
- Once the Cootie Catchers are folded, the Cubs can colour them.
- How to play with Cootie Catchers:
    1) partner up,
    2) the Cub without the catcher chooses one of the four words,
    3) spell out the word while opening and closing the Cootie Catcher,
    4) the other Cub chooses which question they want of those showing,
    5) ask the question and
    6) check if the answer is correct by lifting the flap on which the question is written.
- Cubs can take the Cootie Catchers home but remind them to recycle the paper when they are finished.

GAME

Recycling Challenge

Objective:

To help Cubs realize that most things aren't garbage but can be reused and/or recycled instead.

Background Information:

In the context of recycling there are three main components: Reduce, reuse and recycle. The first concept "reduce" is probably the most important and most difficult to convince people to undertake. Reducing our consumption of unnecessary items means less energy is needed to make those things and no energy is needed to recycle them. Product packaging is an excellent example of where it would be advantageous to reduce. Most items are over-packaged with plastic and paper. Where possible it is better to buy bulk or simple packaged items that won't create so much waste.

Equipment:

- Bring in a mixture of clean garbage that can't be recycled, (plastic wrap, mixed material products), and recyclable (pop cans, milk jugs, magazines etc.) and reusable items (old pieces of clean clothing and glass jars). Bring one of each item for each six.
- One empty recycling bin, garbage bin and garbage bag for each six.
- Ensure that the items and the types of recycling bins are appropriate for your community. If you are unsure about what can be recycled in your community, contact your municipal authority.

Instructions:

- Separate the items so that each six has the same items in a pile. Cover the items with the garbage bag before the Cubs arrive.
- Get the pack into sixes. Tell the sixes that they need to sort the items into the proper containers.
- To start the game, uncover the items and get each six to sort the items into the recycling bin and/or the garbage bin. The first to properly sort their pile wins.
- Confirm with the groups which items can and cannot be recycled.
- Discuss with the Cubs which items aren't necessary or could be substitued (i.e. plastic wrap can be substitued with a plastic container), which therefore reduces the amount of materials being made.

THEME ACTIVITY

Re-used Super Product

Objective:

To get the Cubs thinking creatively about how items can be reused.

Background Information:

Changing our attitude towards waste and materials is an important component of addressing climate change. It is important to think of materials that you might throw out not as waste but as the basis for creating something else.

Equipment:

All the items in the Recycling Challenge.

Instructions:

- Each six is asked to look at the items in their recycling bin and garbage bin and ask if any of them could be reused. Have each six pick an item and come up with how it could be reused and try to sell it to the pack like a mini advertisement. Be as creative as possible!
- Explain how it takes energy to create all the things we buy – clothes, toys, cars, etc. Talk about how reducing and reusing materials means that the Cubs and their families will buy less items, which means that they will be using less energy. Make the link between the greenhouse gas emissions that are created when we produce energy and how reducing energy consumption reduces climate change.

GAME
Line Tag

Objective:

To reinforce learning in the previous activities while playing tag.

Background Information:

See Questions, Answers and Background for more information.

Equipment:

- markers for four lines
- questions

Instructions:

- The object of the game is to tag the other team's members so that they all end up on one team.
- Two teams (name the teams A and B) line up opposite each other on two lines about two metres apart. Behind each team about 15 metres back is another set of lines which mark the safety zones.
- Explain that behind Team A is their safety zone and behind Team B is their safety zone. If the answer to the question is true then Team A has to try to make it back to their safety zone while Team B chases them. If the answer is false then Team B has to run for their safety zone while Team A chases them. Anyone who is caught before reaching the safety zone joins the other team.
- Play until all the questions are answered or all the Cubs belong to one team. As the teams return to the front lines after each question, discuss the right answer.
- Make up more questions based on the preceding discussion and games if needed.

Questions, Answers & Background

1. *Recycling is not helpful in reducing climate change.*
   A: False. The energy used to recycle items is much less than the energy needed to create new ones.
2. *It is better to reuse something first rather than just recycling it.*
   A: True. The more we can reuse an item the less we will need to purchase new items.
3. *Paper IS recyclable.*
   A: True. Paper is one of the easiest materials to recycle and there is lots of demand for recycled paper.
4. *Parts of computers CAN BE reused.*
   A: True. There are many components and parts of the casings and frames that can be reused or recycled.
5. *Buying LESS things means we use MORE energy.*
   A: False. The less material we consume the less energy is needed to create it.
6. *Buying things with less packaging is good.*
   A: True. Extra packaging means extra waste and that take energy to recycle or dispose.
7. *In general, it takes LESS energy to make something new than to recycle it.*
   A: False. For example recycling aluminum takes 75 to 95% less energy to recycle than creating new aluminum.

THEME ACTIVITY

Recycled Rain Stick

Objective:

To make an instrument from a recycled product.

Background Information:

Here is a bit of information on the origin and story behind rain sticks to share with the pack. Legend has it that the Chilean Indians invented the rain stick to make rainy weather. The rain stick is a type of tubular rattle that has been used by many cultures in various ways throughout the ages. The sound in a traditional rain stick is generally created by pebbles or dried beans bouncing along an unusual interior maze structure formed of either cactus spines, wooden pegs, bamboo or palm slivers. This craft is a great way to link recycling and other environmental topics.

Equipment:

- One paper towel or wrapping paper roll per Cub
- Paint or markers
- Two boxes of toothpicks (at least 10 each)
- Uncooked rice, lentils, corn or small beans (236 ml or more per Cub)
- A dowel, awl hammer and nails or device to poke holes in the paper towel rolls
- White glue.

Instructions:

- Poke an even number of holes in each roll in various places (at least 20 for a paper towel roll). Leaders should use the tools, but Cubs can try using push pins. The toothpicks should stick through the holes across the tube in various directions.
- The Cubs decorate their rain stick with paint or markers.
- Cover one end of the rain stick with tape. (If using painter's tape that can be painted or coloured, do this step first.)
- The Cubs stick the toothpicks through one hole and out another on the other side. Glue both ends of the toothpicks into the holes. Have a leader cut off the ends of the toothpicks when they are dry.
- Put in the rice or beans and tape up the open end.
- Have a rain concert.

STORY

In My Day …

Objective:

To get a different perspective on what we think we need and what we can live without.

Background Information:

During the era of the depression many people learned to reuse and recycle materials out of necessity. During World War I and II many items were recycled by the government to create supplies for the war effort. In addition, during the first part of the century plastics were not as common and were not as pervasive in products and packaging. There are many valuable lessons to be learned from this time.

Equipment: None

Instructions:

Ask a Cub's grandparents to come in to talk about how their families re-used materials and clothes before the days of recycling programs.

Climate Change Cootie Catchers Template

Adapted from *Trash and Climate Change*. Environmental Protection Agency, Solid Waste and Emergency Response.

Climate Change Cootie Catchers Folding Instructions

NOTE: *Make all folds neatly and squarely;*

1. Carefully cut along the solid lines to make a square.

2. With the picture of the world facing upward, fold the paper neatly in half and then in half again.

3. Undo the folds and flatten out the paper. Turn the paper over, with the world facing downwards, and fold in each corner so the four points meet in the centre.

4. Flip the paper over. Again, fold in each corner so that the four points meet in the centre.

5. Fold the square in half, making a rectangle, with the open flaps facing down. The writing should be right-side up.

6. Slide both index fingers and thumbs under each of the four outer flaps.

7. Pinching your fingers together, push the top corners of the flaps toward the centre. Poke down in the centre to help form the shape.