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# TIGER CUBS

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## GETTING TO KNOW YOU - BIG IDEA #1

### SUGGESTED ACTIVITIES

- ❖ Go to the public library and look up some information on the country of your ancestors.
- ❖ Have a pot luck dinner where each family brings a dish from the country of their origin.

### WHO'S WHO?

Have each Tiger Cub and partner bring a baby picture. Mix them up and see who can guess the most matches.

### WHO AM I?

With the help of their partners, have each of the Tiger Cubs write short descriptive paragraph about themselves stating likes, dislikes, things they have done, etc. When all are done, have an adult read them out loud and let the boys try to guess who is being described.

### WHERE WERE YOU BORN?

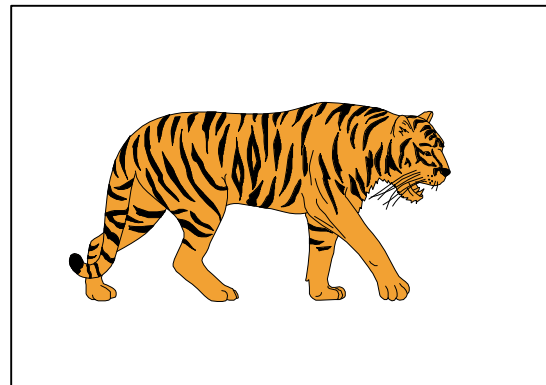
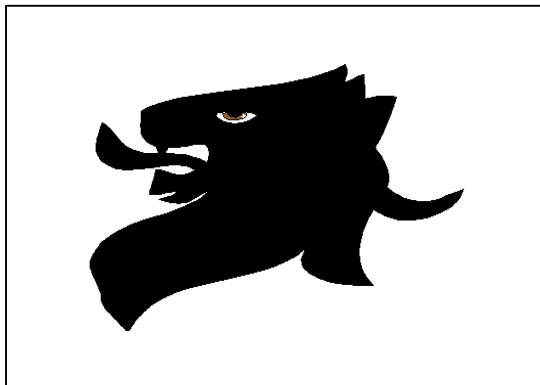
Display a world map. Let each Tiger and their partner mark where they were born. You can use stick pins with colored heads or pins with flags attached (available at office supply stores.)



### CRAFTS

Ask each Tiger Cub draw a picture of three things that he and his partner like to do. When finished, ask them to share their picture with the rest of the den.

Make a Tiger Cub den flag.





# TIGER CUBS



## GETTING TO KNOW YOU - BIG IDEA #1

### TIGER SCRAP BOOK

Each Tiger Cub can start a BIG IDEA scrap book. Provide enough pages for all 17 big ideas and have the boys glue in pictures, nature items, patches, or items they like to help them remember each activity. If you wish, the following graphic can be used for the first page by enlarging it to desired size with a copy machine.

My favorite color	Where I Live	I Like to Eat
Favorite sounds	SIGHTS I enjoy	Things I Enjoy
Smells I Like	Favorite Feeling	something special to Me
Name:		



## FAMILY ENTERTAINMENT - BIG IDEA #2

### AN EXPLOSIVE ACTIVITY

*Materials needed:*

*a narrow neck bottle with tight fitting cork stopper*

*baking soda*

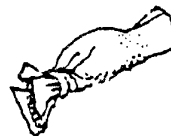
*vinegar*

*piece of paper towel*

*Vaseline*



1. Pour 1/3 cup vinegar into the bottle.
2. Place 1 teaspoon baking soda on a small square of paper towel. Roll the edges of the paper around the baking soda to make a package small enough to fit through the opening of the bottle. Twist the bottom end of the paper as shown below.



3. Rub Vaseline on the cork stopper.
4. Drop the baking soda package, twisted end first, into the bottle and quickly place the cork firmly in the bottle.
5. With the cork aimed away from you and other people, shake the bottle until the baking soda is released from the package.

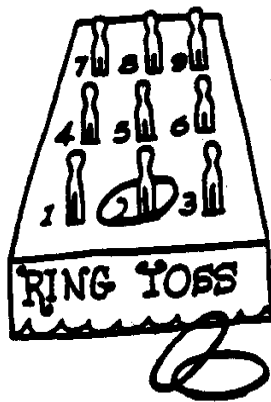
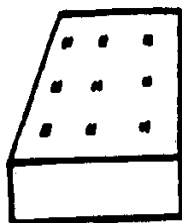
### CLOTHESPIN RING TOSS

*Materials needed:*

*lid from a case of copy paper*

*6 rubber jar rings*

*9 wooden round-headed clothespins*



Cut 9 pairs of slits in a cardboard box cover so a clothespin will stand firmly in each pair of slits. Using a crayon or a felt tip marker, mark the base of each clothespin with a number from 1 to 9. To play the game, establish a line 6' or more away and try to throw rubber jar rings over the clothespins. Add up the scores to determine the winner.



# TIGER CUBS



## FAMILY ENTERTAINMENT - BIG IDEA #2

In addition to Tiger Cub theme crafts and suggestions from the Big Ideas, you can build some of your family entertainment around the month, season, or time of year.

### OCTOBER:

Decorate small pumpkins by drawing, painting, or gluing on facial features. With a variety of scrap materials on hand, the boys can use their imagination to add hair made from Spanish moss or cotton, bend soft wire into eyeglasses, or create hats made of felt.



### NOVEMBER:

Make turkeys starting with bodies made of brown lunch bags stuffed with paper for body. Construction paper heads, tail feathers and wings with lots of colored markers make each turkey a treasure.

### DECEMBER:

Go caroling. Make holiday decorations. Attend a community Christmas parade. Visit older citizens with candy canes or homemade cards.

### JANUARY:

Visit a special indoor event such as a museum, a puppet show or storytelling hour (check with your local library), or a concert.

### FEBRUARY:

Make homemade valentines for family members or teachers.



### MARCH:

Make kites and then have a family trip to a neighborhood park to fly them. How about a picnic?

### APRIL:

Decorate eggs for Easter. To make a confetti egg, first wipe a raw egg with a 1 to 10 mix of chlorine bleach and water and let it dry. Using an awl, poke a small hole in each end of the egg. Hold the egg over a bowl, blow through one hole and the egg should drip out of the other end. If needed, the bottom hole can be enlarged. After all the egg has been removed, carefully rinse the empty shell in the chlorine bleach and water solution. When thoroughly dry, fill the shell with confetti and glue small pieces of white tissue paper over holes. What now? Confetti egg tag!



## DISCOVER NATURE & ENERGY - BIG IDEA #3

### IDEAS FOR DEN MEETINGS

- Bird watching contest: Who can spot the most birds? Who can spot the biggest variety of birds?
- Visit a pet store.
- Go to the zoo.
- Go to a nature center.

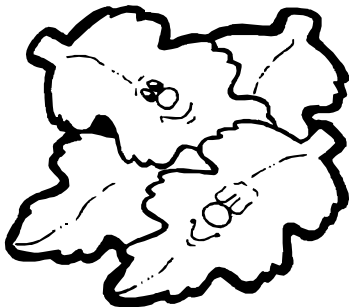
### CRAFTS AND ACTIVITIES

#### BIRD FEEDER

*Materials needed:*

- |                      |                       |
|----------------------|-----------------------|
| <i>pine cone</i>     | <i>string or yarn</i> |
| <i>peanut butter</i> | <i>aluminum foil</i>  |
| <i>bird seed</i>     | <i>plastic knife</i>  |

Tie the string to the top of the pine cone. This will be used to hang the finished feeder in a tree. Use the plastic knife to spread peanut butter over the pine cone, then roll it in the birdseed. Cover the feeder with aluminum foil until you are ready to hang it from a tree.



#### NATURE HIKE

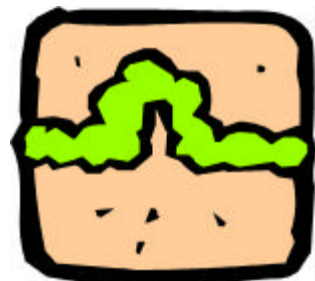
Have the Tiger Cubs and their partners walk a trail and pick up different items they find. When you gather together again to share your discoveries, tape the found items to a large piece of poster board. Using nature books as needed, work together to identify the items and have partners use markers to label each on the poster. Display at your pack meeting.

#### ENERGY ROCKET RACE

Air pressure can generate lots of energy. Stretch two 6'-10' strings (with a drinking straw strung onto each) tightly between two chairs. Blow up two small balloons, but do not tie off. While holding the balloon ends tightly, use masking tape to secure each balloon to one of the straws on the strings. On "Go", race by letting go of the balloons. The air leaving the balloon pushes against the air in the room, moving the balloon forward.

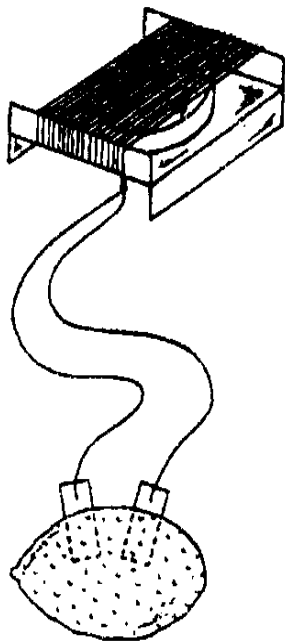
#### INCHWORM RACE

In this race, Tigers line up at starting line. On "Go", they fall forward to rest their weight on their hands. Next, they draw their legs up under them and then fall forward again on their hands. Continue until winner reaches the finish line. Don't make the finish far away at first. Give the boys time to practice being inchworms.





## DISCOVER NATURE & ENERGY - BIG IDEA #3



### MAKE YOUR OWN ELECTRICITY THROUGH A LEMON

#### Materials needed:

galvanometer-compass (directions below)

stiff cardboard

small spool of magnet wire (#28 or finer)

1 lemon

strip of copper

strip of zinc

#### DO AHEAD:

To make the galvanometer, cut a piece of cardboard as wide as the compass plus enough to fold up at the ends. Cut and fold another piece the same as the first. Glue the two together to form a cradle. Place the compass inside the cradle so the N-S axis points towards the closed sides. Finally, wind about 100 turns of wire around the compass and cradle over the N-S axis as shown. Close to the cradle, twist the two wire ends together to keep the coil from coming unwound. Trim both ends of the coil to about 12" in length, then scrape 1/2" of enamel insulation off the wire tips.

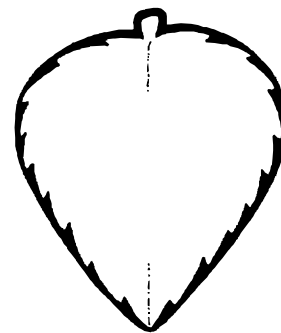
#### DIRECTIONS:

Now the lemon! Roll the lemon on a flat surface to break up the juices inside. The citric acid in the lemon is the electrolyte for the battery. Next, make two slits in the lemon and insert the copper and zinc strips. Be sure the wires do not touch each other inside the lemon. Connect the galvanometer to the electrodes (copper and zinc strips) and the compass should move. Try other types of vegetables and fruit (potato, orange, pickle, etc.)

### SUNCATCHERS

#### DO AHEAD:

Collect leaves or flowers or weeds and press for a several days between the pages of a large phone book or a magazine with a heavy weight on top.



#### DIRECTIONS:

Place the pressed leaves or flowers on a sheet of waxed paper (about 12" square). Next, make crayon shavings with old crayons and an inexpensive plastic pencil sharpener. Sprinkle a few wax shavings among the flowers and leaves, then cover with another piece of waxed paper. Partners then use an iron on medium setting to fuse the two pieces of waxed paper together and melt the crayon shavings. Before ironing, place a piece of brown paper sack both under and on top of the waxed paper sheets so it is the sack, not the waxed paper, that is in contact with the iron. The fused waxed paper can be left in a square shape or cut into a free form shape.

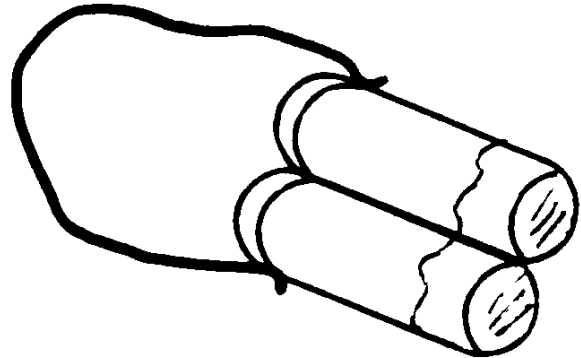


## DISCOVER NATURE & ENERGY - BIG IDEA #3

### BINOCULARS

*Materials needed:*

- 2 toilet tissue cardboard cores**
- white bond paper
- red and blue construction paper
- glue
- staples
- 15" heavy cord



Cover the cardboard cores with white paper. Cut two ¾" wide strips of red paper that are long enough to circle the cores; glue onto one end. For opposite ends, cut 1 ½" wide strips of blue paper in curvy design; glue on. Glue the cores together. With adult supervision, a glue gun works well. Staple (or hot glue) the cord onto outside edges of each side.

### STARFINDER TELESCOPE

*Materials needed:*

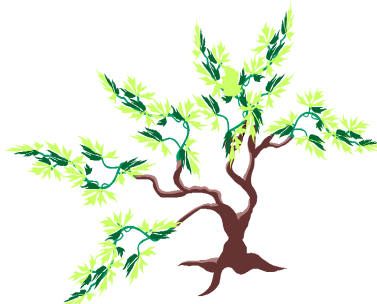
- cardboard mailing tube or empty wrapping paper tube
- paper cups
- reference book of the constellations

This telescope is made from a 15" length of cardboard tube. Ideally, the diameter should be about 2 ½" so a paper drinking cup will fit over one end. Using the reference book, poke small holes in the bottoms of the cups in a pattern that depicts the major constellations. Each constellation should be on a different cup. Write the name of the constellation on the side of each cup. Put a cup over the end of the telescope and look toward a light source. The constellation in the cup will sparkle with bright stars as the light streams through the holes.

### THE TREE FARM

Here's a big tree farm where different kinds of trees grow. Unscramble each set of letters to see how many you can find. Can you find pictures of each kind of tree in a book or magazine?

1. IRF
2. ENIP
3. PELAM
4. KAO
5. YAMSCOER
6. MEL
7. RCIBH
8. MLAP



#### Answers

1. Fir
2. Pine
3. Maple
4. Oak
5. Sycamore
6. Elm
7. Birch
8. Palm



## DISCOVER NATURE & ENERGY - BIG IDEA #3

### ANIMAL CROSSWORD PUZZLE

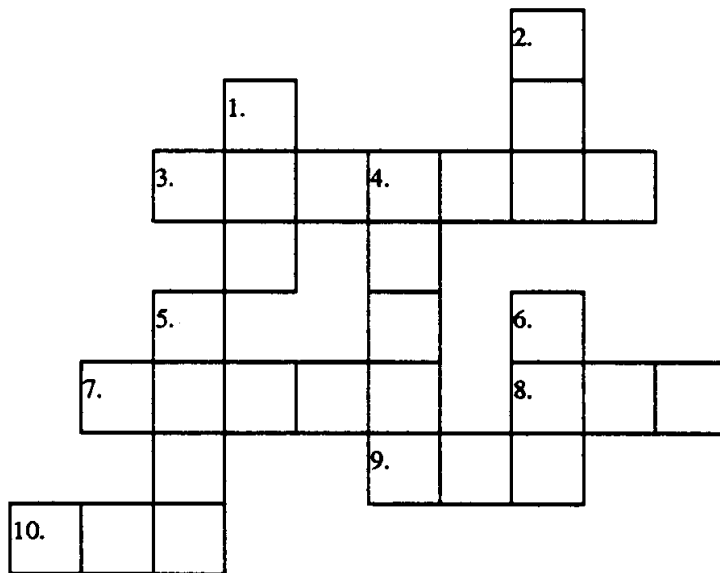
Fill in the names of the animals from the clues that tell the sound that each makes.

#### ACROSS

- 3. cock-a-doodle-doo
- 7. neigh
- 8. whoo-who
- 9. oink
- 10. meow

#### DOWN

- 1. moo
- 2. buzz
- 4. baa
- 5. bleat
- 6. bow-wow



Answers:					
Across	3. rooster	7. horse	8. owl	9. pig	10. cat
Down	1. cow	2. bee	4. sheep	5. goat	6. dog

### MATCH THE BIRD

Read the following descriptions and see if you can pick the bird described from the list of bird names. Can you find a picture of each type of bird in a book or magazine?

- A. This bird wades in the water with it's head under the water. It swings it's head from side to side and scoops tiny fish and other food from the mud and water.
- B. This bird's bill is long and pointed. It sticks it's bill into fish, lifts them out of the water and swallows them.
- C. This bird can easily crack open nuts and seeds with it's big, strong bill.
- D. This bird eats insects that are found under the bark of trees.
- E. This bird's bill is like a long, hollow tube. It sticks it's bill deep into a flower and sips up the nectar.

<ul style="list-style-type: none"> <li>1) SPARROW</li> <li>2) HUMMINGBIRD</li> <li>3) SPOONBILL</li> <li>4) HERON</li> <li>5) PARROT</li> </ul> <p>Answers: A-3, B-4, C-5, D-1, E-2</p>
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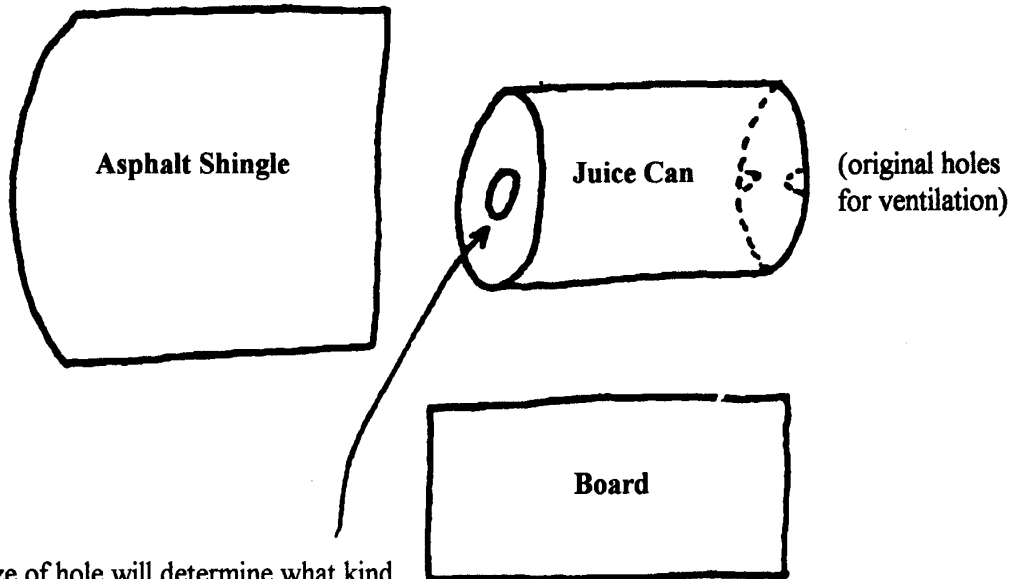
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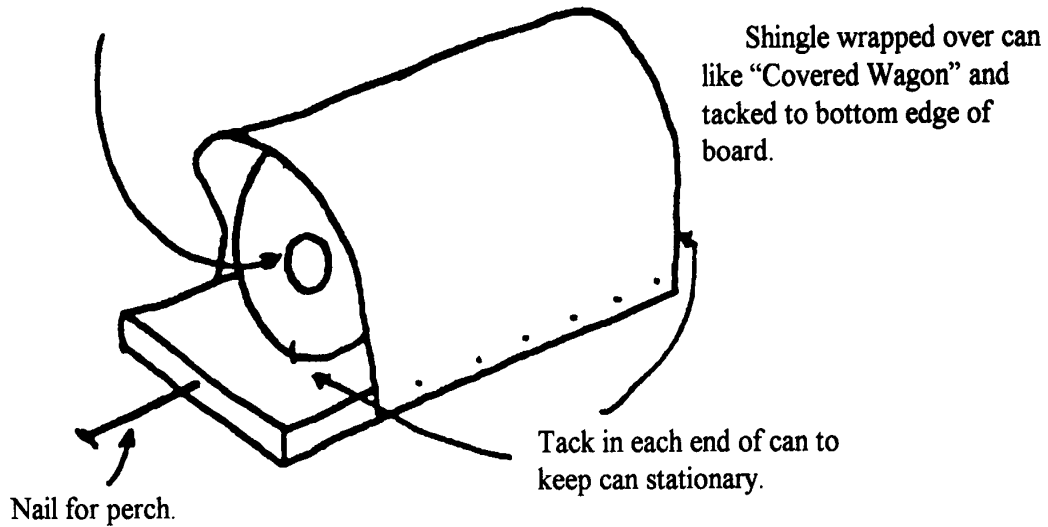
## DISCOVER NATURE & ENERGY - BIG IDEA #3

### BIRD HOUSE

This is a simple design that is made of scraps and needs no painting. Composition roof shingle makes a cover and helps hold the can in place. Scrap lumber board is 2-3" longer than the can. A juice can works well as a length needed for most nests. A large nail in the front forms a perch.



Size of hole will determine what kind of bird will use your house.










Can be hung or toe-nailed in place.



## DISCOVER NATURE & ENERGY - BIG IDEA #3

### TRICKY TRACKS

<p>by Sallie Luther</p> <p>A pair of red wolves walked into the Carolina woods .</p> <p>In no time they met a lot of other animals that were already there. Here are some of the animals' tracks. Can you match the tracks with the track-makers listed below?</p> <p>___ 1. crow ___ 2. raccoon ___ 3. bobcat ___ 4. white-tailed deer ___ 5. gray fox ___ 6. beaver</p>	<p><b>C</b></p> 
<p><b>A</b></p> 	<p><b>D</b></p> 
<p><b>B</b></p> 	<p><b>E</b></p> 
<p><b>F</b></p> 	<p><b>F</b></p> 

**Answers:** 1.E; 2.B; 3.C; 4.F; 5.A; 6.D

Drawings by Geri Lucas

