

# KINGCARE AT HOME PACKET

Fun activities from KingCare  
teachers for you to do at home!

# INDEX

**PG. 3-5 Science Experiments**

**PG. 6-17 Miscellaneous Activities**

**PG. 18 Movement Activities**

**PG. 19 Active Activity YouTube Links**

**PG. 20-30 Miscellaneous Coloring Pages**

## **Experiment #1: Soap Souffle**

**Concepts Kids Learn:** Heat Expansion and liquification

**Time frame:** 10 minutes

### **Materials:**

- ☐ Ivory soap

**Directions:** Ask kids what they expect to happen when you add heat to soap. Discuss heat expansion. Chop soap bar into quarters and place on a plate, microwave for 1 minute and it will balloon out, Let cool then show to kids what happens when exposed to heat/ play with the now fun textured soap

## **Experiment #2: Ice Fishing**

**Concepts Kids Learn:** Salinity and Freezing point

**Time:**10-15 minutes

### **Materials:**

- ☐ Small paper cups, bowl or an ice cube tray
- ☐ Glass of water
- ☐ String (yarn or kite sting works great)
- ☐ Small stick
- ☐ Salt

### **Directions:**

1. Fill the cup or tray up with water and place it in the freezer. You can also use ice cubes from your freezer and skip this step.
2. When the water is frozen, remove the ice from the cup or tray.
3. Put the ice in the glass or bowl of water. The cube will bob up and down in the water and then float on the top.
4. Place one end of the string from the fishing pole on top of the ice cube and sprinkle salt on the ice where the string is touching. Watch as the water melts slightly and refreezes.
5. After about 10 seconds, carefully lift the ice cube out of the water with the fishing pole.

## **Experiment #3: Creating our own fossils**

**Concepts Kids Learn:** Fossil creation

**Time frame:** 20 minutes

### **Materials:**

- ☐ Wax paper
- ☐ Damp, used coffee grounds
- ☐ Cold coffee
- ☐ Salt
- ☐ Wooden Spoon

**Directions:** Mix ingredients, spread over wax paper, and leave handprints. Leave out to dry and your own examples of how fossils formed millions of years ago are created

## **Experiment #4: Homemade Quicksand**

**Concepts Kids Learn:** What constitutes a Newtonian Fluid, Viscosity, Pressure

**Time frame:** 20-30 minutes

### **Materials:**

- ☐ **Cornstarch**
- ☐ **Water**
- ☐ **Mixing Bowl**

### **Directions:**

1. Pour one cup of cornstarch into the mixing bowl
2. Pour the water in, mixing slowly as you go. Keep adding more water until the mixture becomes thick
3. Have kids hold a handful of it in their palm and observe what happens
4. Have kids squeeze it in their hands/ roll it around
5. Try having kids push down on the mixture, explain how quicksand acts as a combination of super fine particles and water, but when you compress it it acts as a solid

## **Experiment #5: Dry Erase Animation**

**Concepts Kids Learn:** Surface Tension

**Time Frame:**10-20 minutes

### **Materials:**

- ☐ Glass plate(must be glass)
- ☐ Dry erase marker
- ☐ Water
- ☐ Toothpicks

### **Directions:**

1. Draw a simple figure onto the glass plate
2. Slowly pour water from the side to lift it up
3. Use toothpicks and tilting to animate the drawing

## **Experiment #6: Elephant Toothpaste**

**Concepts Kids Learn:** Chemical reactions

**Time frame:** 15 minutes

### **Materials:**

- ☐ Water Bottles
- ☐ Hydrogen Peroxide (at least 6%) (need to make sure to get this kind especially)
- ☐ Yeast
- ☐ Dish Soap
- ☐ Liquid Watercolor

### **Directions:**

1. Place Water bottle in dish that'll allow for the reaction (it spills a lot)
2. Mix in a separate container 2 tablespoons warm water and 1 teaspoon yeast
3. In water bottle, mix ½ cup Hydrogen Peroxide

**\*\*THIS CAN BE A VERY MESSY EXPERIMENT, IT IS SUGGESTED TO BE DONE OUTSIDE\*\***

## **KingCare Lesson Plan**

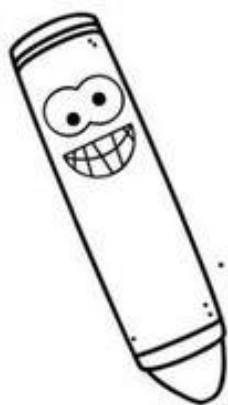
**Activity Name:** Math Four Square Game

**Group Size:**

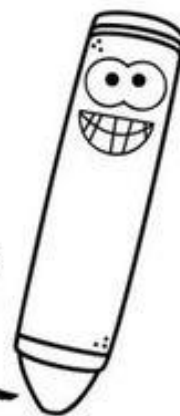
**Objective:** Roll two dice. Add or subtract the two numbers. Find the number on the board and color it. The first player to color four connected boxes in any direction wins! If children need assistance with calculations they can consult a calculator.

**Supplies Needed:**

- Dice
- Print outs of game board
- Calculators
- Markers/crayons/colored pencils



# FOUR SQUARE



- Roll two dice.
- Add or Subtract the two numbers.
- Find the number on the board and color it!
- The first player to color four connected boxes in any direction wins!

4	7	1	8	3	9
12	2	6	11	3	6
9	5	10	5	7	8
6	6	3	9	2	4
5	2	10	1	12	10
1	8	11	4	7	12

© Lucky to Be in First 2015

## KingCare Lesson Plan

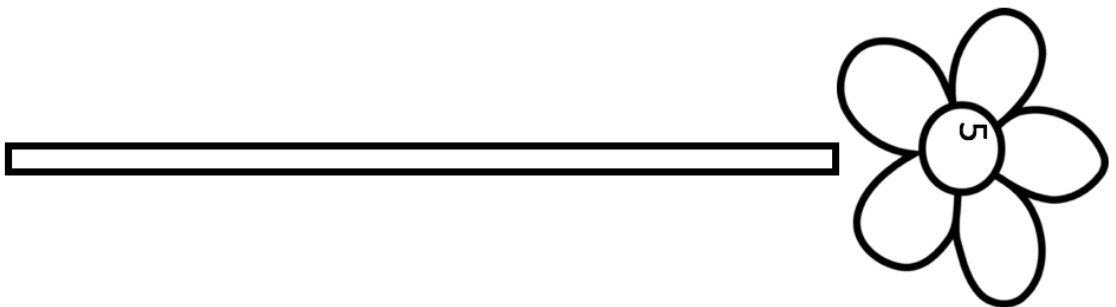
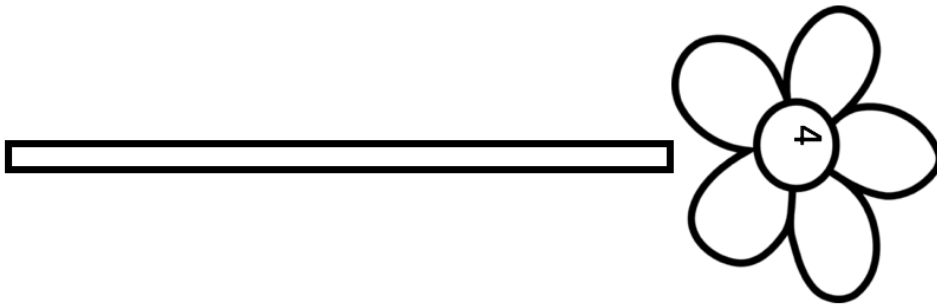
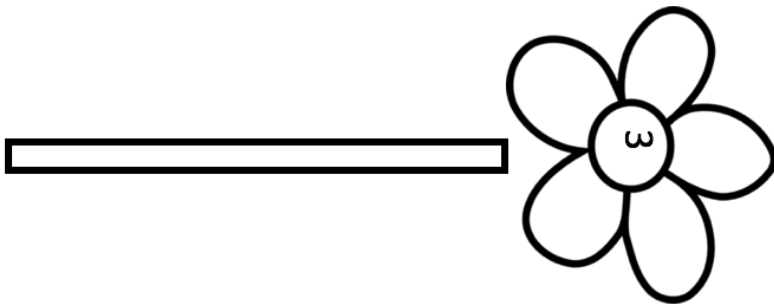
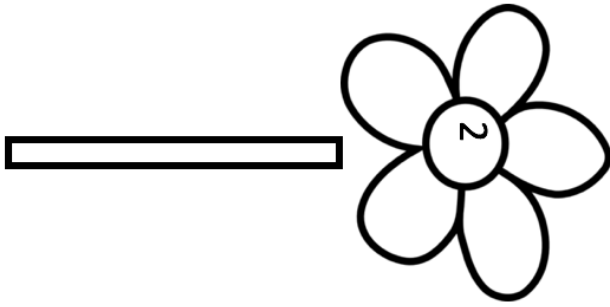
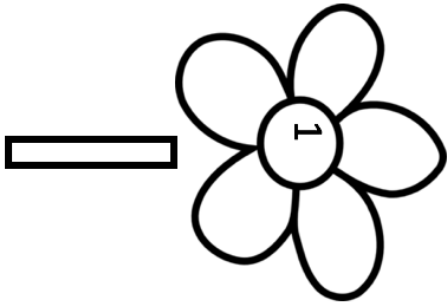
**Activity Name:** Flower Counting

**Group Size:**

**Objective:** Children will paint the flowers and then paint a number of leaves onto the flowers' stems according to the number indicated on the flowers.

**Supplies Needed: (Please highlight supplies we don't have.)**

- Print outs of handout on white stock paper
- Paint



## KingCare Lesson Plan

**Activity Name:** Roll to Make 10

**Group Size:**

**Objective:** Roll a dice. Draw the dots on a black dice on the sheet. Add the number that makes 10. If children need assistance with calculations they can consult a calculator.

**Supplies Needed:**

- Print outs of handout
- Dice
- Calculators
- Pencils



# Making 10

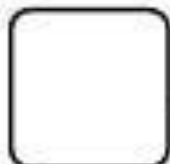
Name \_\_\_\_\_

## Roll & Add

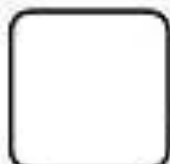
Directions: Roll a dice. Draw the dots on a blank dice below. Then add the number that makes 10.



$3 + 7 = 10$



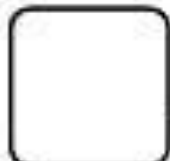
$\square + \square = 10$



$\square + \square = 10$



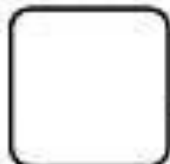
$\square + \square = 10$



$\square + \square = 10$



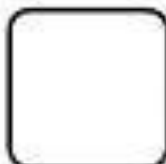
$\square + \square = 10$



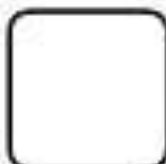
$\square + \square = 10$



$\square + \square = 10$



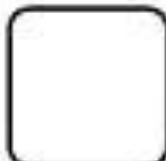
$\square + \square = 10$



$\square + \square = 10$



$\square + \square = 10$



$\square + \square = 10$



$\square + \square = 10$



$\square + \square = 10$

## **KingCare Lesson Plan**

**Activity Name: Number Butterfly**

**Approximate Time Needed: 15-20 minutes**

**Objective:** The objective is for students to represent a number in different ways, whether it be with equations, tally marks, pictures, etc.

**Supplies Needed:** Different colored cardstock/ construction paper

**Pencils**

**Glue**

**Procedure:**

- 1) Pick which colored cardstock you want to be the base of the butterfly, draw out the butterfly on the whole sheet, and cut.**
- 2) Cut an oval to act as the body of the butterfly, as well as four circles that will fit inside the wings. Glue these pieces onto the base of the butterfly.**
- 3) Now, think of a number between 1-20, and write the number on the butterfly's body.**
- 4) In each of the open spaces on the wings, which should be four, think of different ways to represent the number in the middle. This can be tally marks, pictures, equations, etc.**
- 5) Add details, like eyes and designs, as desired.**

**Teacher Concerns:** Students may find it hard to think of other ways to represent the number shown on their own, so you may need to step in and assist as needed.

## **KingCare Lesson Plan**

**Activity Name: Fraction Sundae**

**Approximate Time Needed: 15-20 minutes**

**Objective: This craft is to help students understand and work with fractions.**

**Supplies Needed: Different colored cardstock      Scissors      Pencils**

**Coloring tools (markers, crayons, etc.**

**Procedure:**

- 1) Cut out a bowl from the cardstock, as well as shapes that look like scoops of ice cream. The number of scoops to create is up to you.**
- 2) Color the scoops to be any flavor of ice cream, as well as decorating the bowl to whatever is desired.**
- 3) On the bowl, write the different fractions of ice cream within the bowl (EX. 5 scoops of ice cream, 3 scoops vanilla and 2 scoops of chocolate. This would look like Vanilla=  $\frac{3}{5}$  and Chocolate  $\frac{2}{5}$ ).**

**Teacher Concerns: Depending on the age of students, this can be a very difficult activity if the don't understand fractions.**

## KingCare Lesson Plan

**Activity Name:** Caterpillar Clip

**Objective:** Children will make a caterpillar clip by attaching colorful pom poms to a clothespin and adding googly eyes.

**Supplies Needed:**

- Clothespins
- Glue
- Pom poms
- Googly eyes

## KingCare Lesson Plan

**Activity Name:** Handprint Giraffe

**Directions:** Children will trace their hands on yellow construction paper and cut them out to make the giraffe's heads. Then they will cut out a yellow rectangle to make the body. The pom poms will be used as spots. Lastly, they will add googly eyes, draw on a mouth, and cut out black circles that will be the tufts.

**Supplies Needed: (Please highlight supplies we don't have.)**

- Yellow construction paper
- Black construction paper
- Brown pom poms
- Glue
- Markers/crayons/colored pencils
- Scissors
- Googly eyes

## **KingCare Lesson Plan**

**Activity Name: Paper Chameleon**

**Objective: Students will create a chameleon out of paper in celebration of Animal April, where they can decorate it and make it their own.**

**Supplies Needed: Different colored construction paper/ Colored Pencils/Markers/Crayons/ Scissors**

**Procedure:**

- 1) Take construction paper and fold in half (hot dog style). Cut from top left corner diagonally down to the bottom right corner. Half of that sheet becomes scrap paper.**
- 2) Unfold paper. Fold each side of the paper to the center fold. Once this is folded, there will be an edge that is sticking out. Just fold that piece down.**
- 3) Next, open the side fold but keep the middle fold down. Make cuts to the folded line on the fold side, where you should cut through both layers of paper.**
- 4) Open folds, overlap uncut sides of paper and glue them together. Cut and glue on legs.**
- 5) Next, cut out an even sided square. Fold the square diagonally, unfold, then fold the other corner diagonally, and unfold. Take scissors and cut almost to the middle on one of the folded lines. On the other side of that line you chose to cut, repeat the same step with the line next to it.**
- 6) Glue the head onto the body.**
- 7) Decorate as desired.**

**Teacher Concerns: This is a pretty complicated craft, so there will need to be a lot of guidance (I'm going to practice and make some, since the instructions are hard to follow).**

## **KingCare Lesson Plan**

**Activity Name: Torn Paper Penguin**

**Objective: Students will work on some motor skills when it comes to this ripping and tearing craft.**

**Supplies Needed: Different colored construction paper (penguin colors and blue) Scissors/ Pencils/ Glue**

**Procedure:**

- 1) Take blue construction paper and decide what type of penguin you want to create.**
- 2) Begin to tear different colors, such as black to create the body, white for the belly orange for the feet and beaks, and so forth.**
- 3) Glue the pieces on in a way that will start to create the penguin you're picturing.**
- 4) Decorate the background with snow by tearing white construction paper and gluing on, if desired.**

**Teacher Concerns: Students may think their penguins don't look correct, since it's a different style of creating a craft.**

## **KingCare Lesson Plan**

**Activity Name: Newspaper Polar Bear**

**Approximate Time Needed: 20 minutes**

**Group Size: 10**

**Objective:** Students will create an animal, which is a polar bear, out of a material that isn't normally used in art, which is newspapers. It will give students a creative and new way to create art.

**Supplies Needed:** Newspapers      Googly eyes      Dark blue construction paper      Black markers      White colored pencils/crayons

### **Procedure:**

- 1) Out of the newspaper, cut out a large circle to fill in the space of the blue construction paper. Glue this to the center. Then cut out a smaller circle than the large circle, glue this on the bottom half of the larger circle.**
- 2) Cut out half circles out of the newspaper to act as the ears. These should be reasonably small. Glue these pieces to the top of the polar bears head.**
- 3) Glue the googly eyes where the eyes are on your polar bear.**
- 4) With the marker, draw a nose and mouth on the polar bear where the smaller circle is, as well as filling in part of the ears with markers**
- 5) Decorate the background as desired with the white coloring utensils.**

**Teacher Concerns:** This project may take awhile to dry.

### **KingCare Lesson Plan**

**Activity Name:** Freeze Dance

**Directions:** This activity is a way to make aerobic exercise fun! When the music plays everyone must dance, but if the music stops everyone must stop. If they don't stop, they are out that round.

**Supplies Needed:**

- Something to play music

### **KingCare Lesson Plan**

**Activity Name:** Land, Sea, and Air

**Directions:** Children will burn off a lot of energy in this high energy game. One side of the room is "land" and the other side is "sea". There will be a designated leader. If the leader shouts "land" everyone has to run to the part of the room that is land. If the leader shouts "sea" everyone has to run to the part of the room that is "sea". If the leader shouts "air" everyone has to jump really high up in the sky.

**Supplies Needed:**

None

### **KingCare Lesson Plan**

**Activity Name:** Don't Let the Ball Fall!

**Objective:** Children can't let the beach ball or balloon touch the ground.

**Supplies Needed: (Please highlight supplies we don't have.)**

- Beach ball or balloon

## YouTube Videos to stay active!

“FROZEN” YOGA FOR KIDS: <https://www.youtube.com/watch?v=xlg052EKMtk>

POKEMON YOGA FOR KIDS: <https://www.youtube.com/watch?v=tbCjkPlsaes>

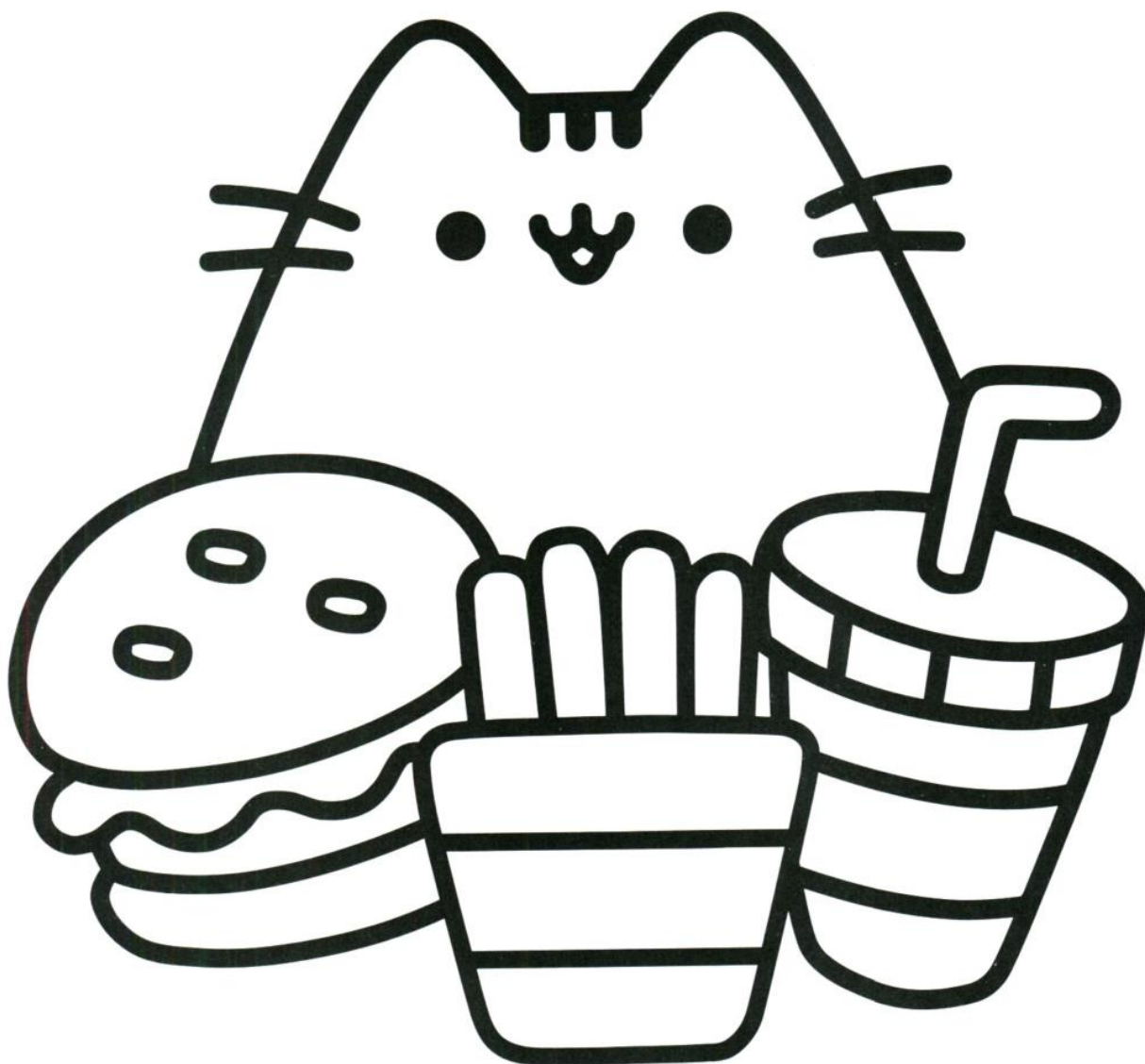
ZUMBA DANCE VIDEO MINIONS:

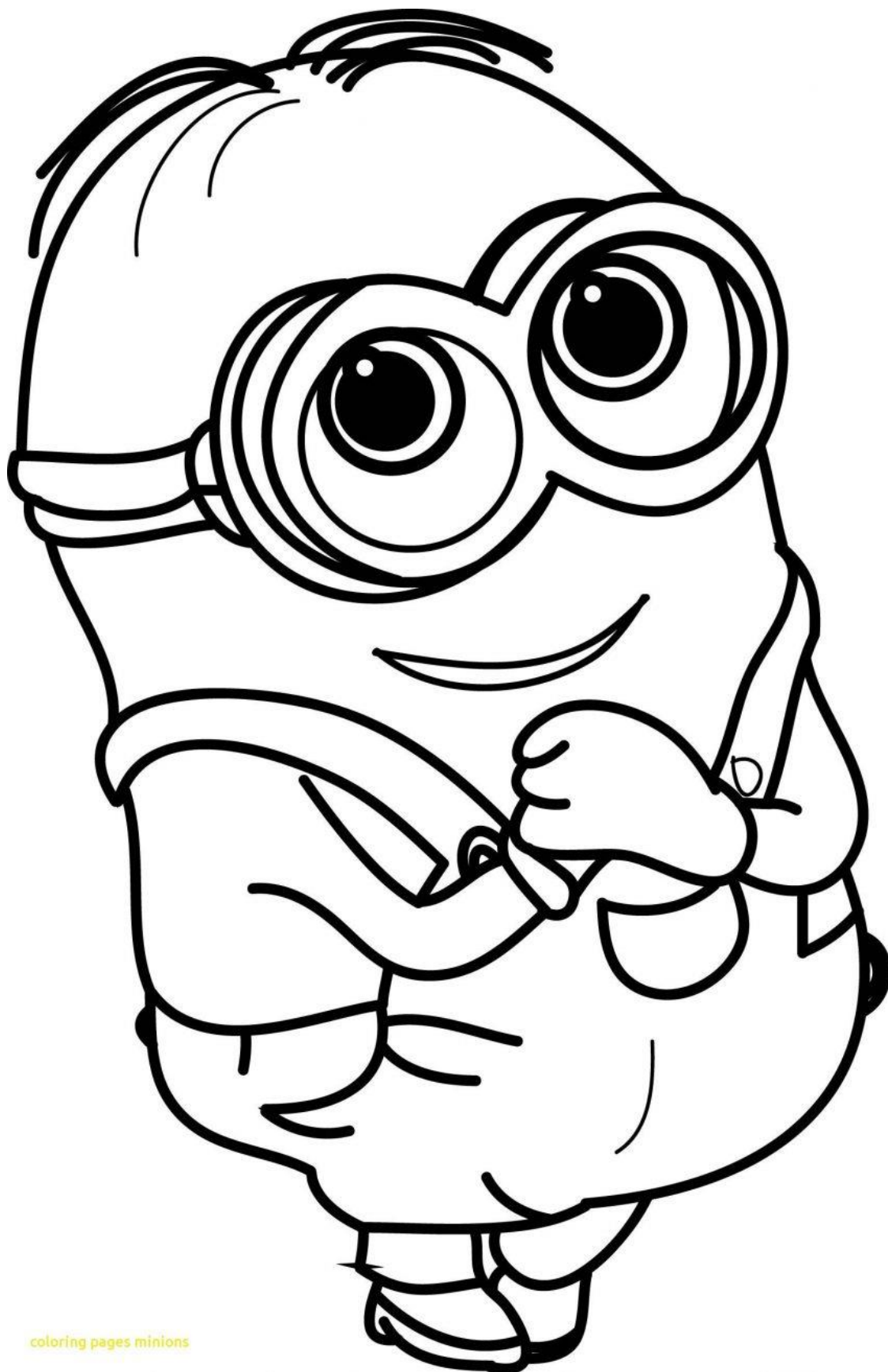
<https://www.youtube.com/watch?v=FP0wgVhUC9w>

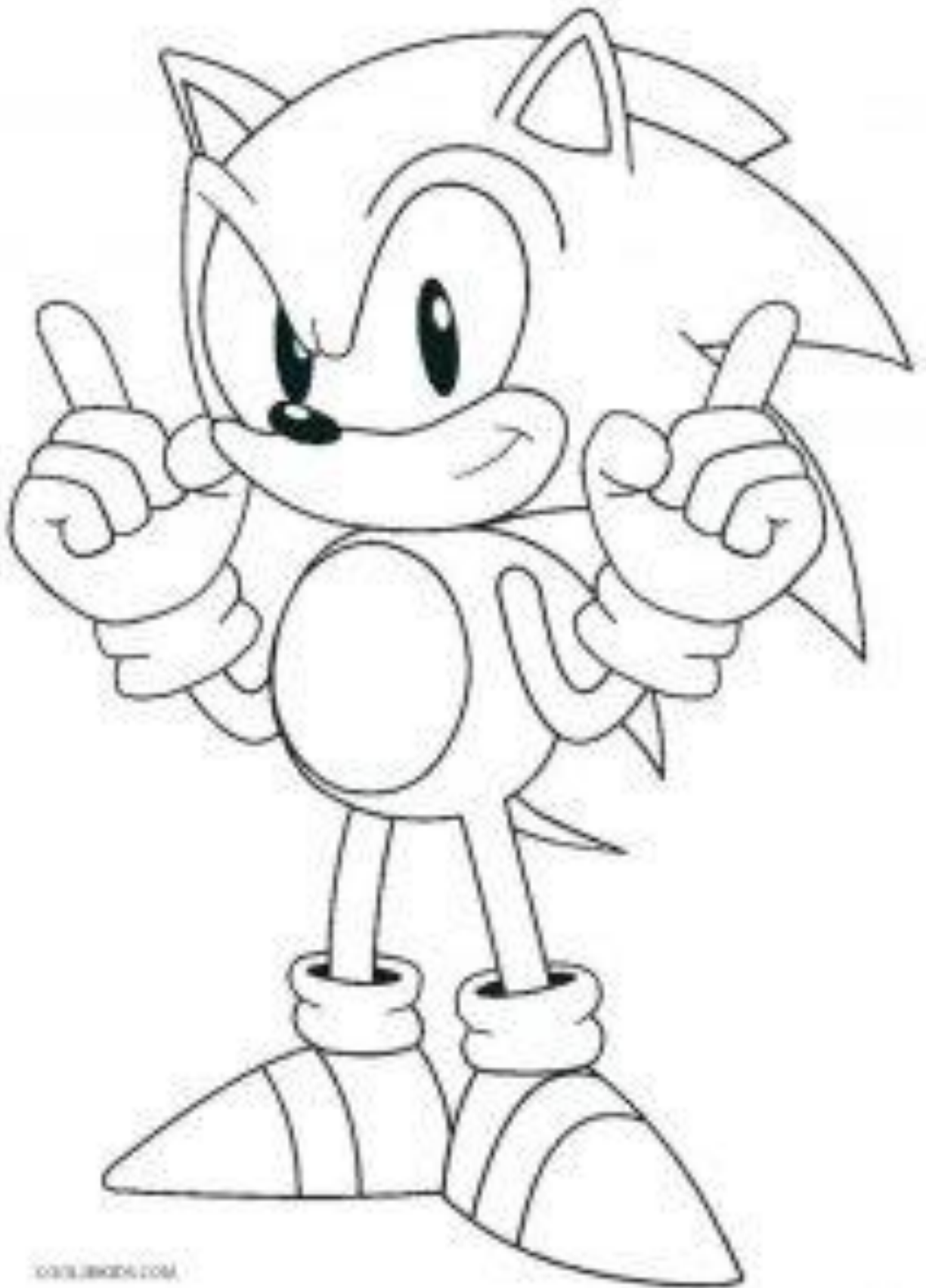
ZUMBA DANCE VIDEO I LIKE TO MOVE IT:

<https://www.youtube.com/watch?v=ymigWt5TOV8>

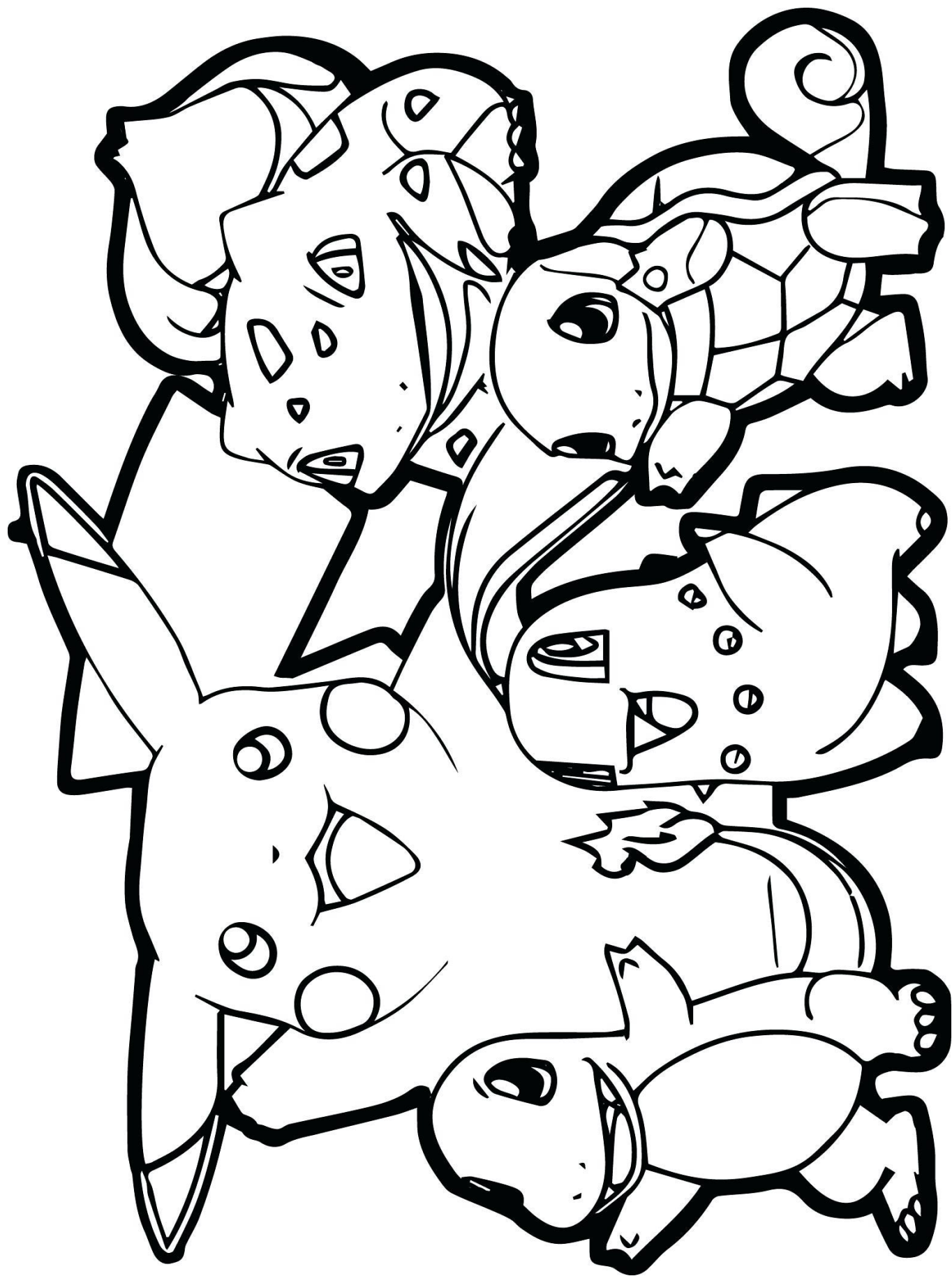
# COLORING PAGES





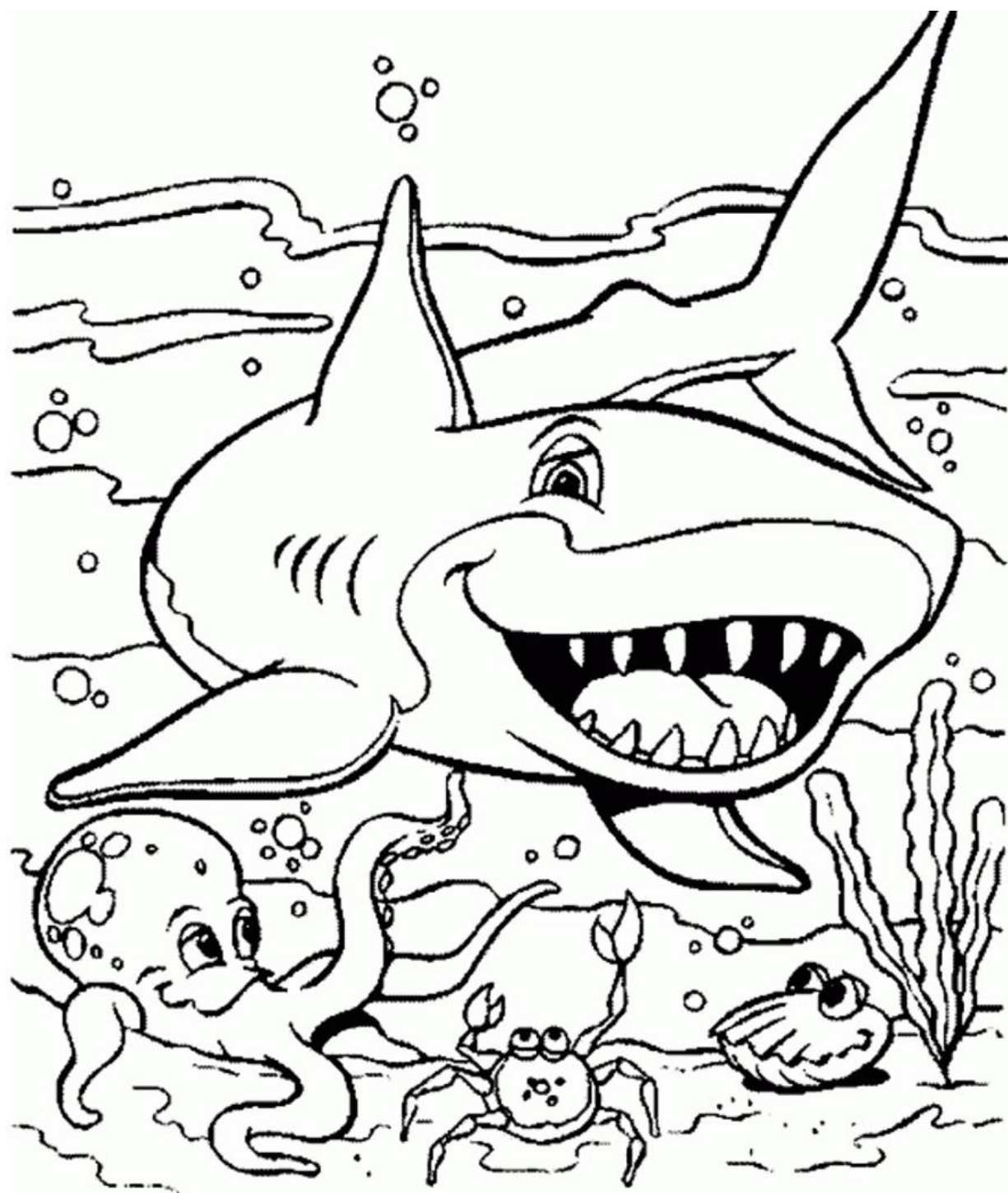


©2013 JIMMY KIM





COOL2BKIDS.COM









# LEGO BATMAN

