

THE KALLAL'S



Chris Kallal is the Executive Director at Southeastern Baptist Youth Camp in Greensburg, Indiana. Chris, an Illinois native, has been a camping professional since 2001. He started off at Camp Manitoumi, in Illinois, serving as their program director for 10 years while also teaching 6th grade at Washburn Middle School. Then he spent 3 years learning to be a boy scout as the Camp Director of Ingersoll Scout Reservation. The next 10 years, Chris served as the Executive Director of Camp Good News in Illinois.

Carrie has been working at Camps longer than Chris! Starting as a CIT at Camp Manitoumi in 2000, then moving onto Girl's Leader, Dining Room Hostess, Counselor, Craft Person, Camp Store Director, Canteen Manager, Bookkeeper, Food Service Director, Assistant Director, and now Guest Services Director! In her free time, she loves to craft, test out new recipes, and talk camp!

When they find time, Chris and Carrie love to search online for the newest, unique ideas to implement into their Camp as well as visiting multiple camps over the years to "steal" ideas from them!

The Kallals love camp so much that they spend a lot of their free time teaching others about camp! They have taught camping classes at different conferences around the world and written a ton of books about the various aspects of camp life. As well, Chris co-hosts a podcast, Scamp Life - The Programming Side, where he talks all things Camp Programming.

They have a total of 4 children, Rowan, Emmalina, Autumn, and Aurora, as well as a couple dogs, cat, some hissing cockroaches, bearded dragon, leopard gecko, frog, couple turtles, and a pet skunk, named Stinkerbell!

Email: christopherkallal@yahoo.com
Download Packet: StealThisStuff.com

How We Did the Boxes

WE CREATED THE BOXES AND WHAT WOULD GO INTO THEM AND THEN TOOK PICS. WE LISTED THOSE PICTURES ON GUMROAD.COM WHERE FAMILIES COULD PURCHASE THE BOX AND CHOOSE WHAT DATE TO PICK UP. THEN, WE WOULD PUT ALL THE BOXES TOGETHER AND HAVE THEM READY. ON THEIR CHOSEN DATE, FAMILIES WOULD DO CURBSIDE PICKUP AT CAMP!

EACH OF THE BOXES HAD A PRINT OUT OF INSTRUCTIONS AS WELL AS A QR CODE & WEB ADDRESS TO FOLLOW THE INSTRUCTIONAL VIDEO ONLINE!

WE DID ONE ROUND OF BOXES IN JUNE AND ANOTHER ROUND IN JULY. OVERALL, WE SOLD 123 BOXES!



DISCLAIMER:

NOT EVERY ITEM THAT
WE PUT IN THE BOXES
IS IN THIS BOOK.

THERE ARE SEVERAL
THINGS THAT ARE
COPYRIGHTED, THAT
WE PURCHASED FOR
THE CAMPERS AND
THEREFORE WILL NOT
PRINT IN THIS BOOK.

THANK YOU!

EXPLORER'S CRAFT

GRADES: K-4

COST: \$15

EXPLORERS CRAFT



Weaving



Plaster Painting



Paracord Snake



Clay Creation



Glitter Bracelet

Bonus Stuff



Weaving

Supplies to Purchase:

- Weaving Board - Amazon - 12 for \$12 <https://rb.gy/sbxapx>
- White Yarn - Hobby Lobby - \$3ish <https://rb.gy/hckpxf>
- Skeins of Yarn - Hobby Lobby - \$3ish <https://rb.gy/w4mh0d>
- Large Eye Yarn Needle - Amazon - 30 for \$5 <https://rb.gy/hmpgg5>

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Supplies Included in Each Box:

- 1 Weaving Board
- 1 Skein of white yarn
- 1 skein of colorful yarn OR 20 feet of several different colors of yarn
- 1 Large Needle

Eye Yarn



WEAVING



Watch Instructional Video Here:



heartcamp.org/explorers-craft

MATERIALS

- | | |
|---------------|------------|
| Weaving Board | Scissors |
| Needle | White Yarn |
| Skeem of Yarn | |

SETUP

1. Take your weaving board and bend the ends to loosen the notches on each end.
2. Using the white yarn, start in the bottom left hand corner of the board and insert the end of the yarn in the notch. Leave about 3 inches of string, the tail end, on the back.
3. Take the string and move upward and insert the yarn in the top notch on the left hand side of the board.
4. Wrap the yarn behind the board and into the second to left bottom notch.
5. Continue this method of wrapping the yarn and inserting it into both the top and bottom notches until you reach the last notch. Be sure that these are tight so that it doesn't have any slack.
6. At this point your end string should be on the back of your board. Stretch your yarn to reach the other end that we left at the beginning of our project. Tie both ends in a knot and cut off any excess string. You are ready to begin your project.

INSTRUCTIONS

1. Pull the end string out of your skein of colorful yarn.
2. Measure an arm spans worth of yarn and cut it.
3. Thread your yarn through the yarn needle and tie a knot to secure the yarn onto the needle.
4. Tuck the end of the yarn (not tied to the needle) into the bottom left-hand notch of your weaving board.
5. Insert straw under all white yarn on your board. This helps raise the strings up and will make it easier to complete the next step.
6. Now start weaving using an under-over pattern moving left to right until you reach the end of the board.
7. At the end of the row, you will need to "turn the corner" and move up to the next row. You will need to look at the last "stitch" you made and do the opposite stitch moving upward. (Example: if your last stitch was over, you will need to do an under stitch on the next row. Or if your last stitch was under you will need to do an over stitch.) If you do not do this, your previous stitches will come undone. **BE SURE TO NOT PULL TOO TIGHT AS YOU TURN THE CORNER.** This will cause your weaving piece to have an hour glass shape at the end.
8. After a few stitches into the next row you will need to "scrunch down" the previous row's stitches. You can use your fingers to do this. This ensures that your weave will be tight and stay together.
9. Continue this pattern until you reach the top of the board or whenever you like the size of your project.
10. To end the project, you will need to cut the white strings on the back of your weaving board.
11. Tie the white strings together either in one big knot on each side or you can tie 3-4 strings together in a knot to create an interesting design.

Paracord Snake

Supplies:

- Dark Green Paracord - Amazon - 100 ft for \$15 - <https://rb.gy/trjdx9>
- Light Green Paracord - Amazon - 100 ft for \$15 - <https://rb.gy/je0vtu>
- Red Paracord - Hobby Lobby - 25 ft for \$3 - <https://rb.gy/2evxjc>
- Hot Glue Sticks - Walmart - 50 for \$6 - <https://rb.gy/pox9ml>
- Googly Eyes - Walmart - 300 for \$3.50 - <https://rb.gy/clhb7r>

Supplies Included in Each Box:

- 8 Feet - Dark Green Paracord
- 8 Feet - Light Green Paracord
- 6 inches of Dark Green Paracord
- 2 Inches of Red Paracord
- 2 Googly Eyes
- 1 Hot Glue Stick



Print Outs Included In Each Box:

PARACORD SNAKE



Watch Instructional Video Here:



heartcamp.org/explorers-craft

MATERIALS

8 feet - Dark Green Paracord
8 feet - Light Green Paracord
6 inches - Dark Green Paracord
Red Paracord
Scissors
Ruler

Tape (in OTHER bag)
Googly Eyes
Hot Glue
Pencil
Lighter (Parent use only)
Hot Glue Gun (Not included)

SETUP

1. Please know that this craft does include parent supervision and assistance as we will be using a lighter and a hot glue gun (both not included).
2. Plug in your hot glue gun.
3. Both dark and light green paracord is already cut to the size that you will need for this project.
4. Parents will need to fuse the 2 ends of your 8 inch dark and light green paracord using the lighter. You will simply hold one end of the paracord in the flame of the lighter until you see it start to melt. (CAUTION: IT IS VERY HOT!) Place one end of the other color of paracord in the melted portion of the other paracord while it is still hot. As it dries, they will fuse together.
5. Next you are going to attach you paracord to a pencil like you are attaching a luggage tag. Position the seam between to 2 colors off to one side.

INSTRUCTIONS CONTINUED

6. Tie both loose ends of paracord to something in your house that will hold it securely. The distance between where you tie it and the pencil should be 12 inches. If you go any longer than that, you will run out of paracord. Make sure that the dark green cord is on the left side when you tie the knot.
7. Start with the basic paracord knot, called the Cobra. Start with the dark green strand. Make an L shape. Then weave the light green strand under and up through the other side.
8. Pull both strands to tighten.
9. Now start with the light green strand and make an L shape. Weave the dark green strand under and up through the other side.
10. Pull both strands to tighten.
11. Now go to the right side (should be the dark green strand). This time go over the two center strands, then under and through. Pull the strand to tighten.
12. Repeat steps 7-11. You will start to see a pattern develop! Continue until you get almost all the way down to the pencil.
13. Remove the pencil and unfold the bottom loop. This will be the snake's head.
14. Take the small piece of dark green paracord and fold it over several times so that it fits where the snake's head should go. Put a piece of tape around it.
15. Set it inside the loop. This will bulk up the core for this part of the snake, making the head larger than the body.
16. Complete your snake using the Cobra knot as done before. (step 7-8) Be sure to alternate sides as you start each knot. Stop right before the end of the loop/head.
17. Cut off the extra paracord and have a parent burn the ends that stick out.
18. Use the hot glue gun to attach googly eyes to either side of your snake.

Plaster Mold Painting

Supplies:

- Plaster - Hobby Lobby - \$10 - <https://rb.gy/o42ujk>
- Plaster Molds - Amazon - \$13 - <https://rb.gy/pw5zxc>
- Paintbrush - Amazon - 50 for \$15 - <https://rb.gy/ashvs6>
- Paint - Walmart - \$2.50 each color - <https://rb.gy/rrrc4v>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- 4 Small Plaster Molds already set and ready to paint or 2 large plaster molds.
- 1 paintbrush
- 6-8 portion cups of different colors



tion cups
ferent
of paint

Print Outs Included In Each Box:

PLASTER MOLD PAINTING



MATERIALS

Plaster Mold
Cups of Paint

Cup of Water (not
included)
Paint Brush

SETUP & INSTRUCTIONS

1. Set out your cups of paint and take off the lids.
2. Fill a cup with water to rinse your brush out.
3. Set out your plaster mold.
4. Grab your paint brush
5. Start Painting!!
6. Allow your painting to dry for about an hour.
7. Enjoy showing off your painting to your friends and family!
8. Save any unused paint for your Clay Creation Project!
9. Wash out your brush with warm water in the sink.

Glitter Tube Bracelet

Supplies:

- Large Tubing - Menards - \$13 - <https://rb.gy/jtsfnq>
- Small Tubing - Menards - \$1.50 - <https://rb.gy/ercvxz>
- Fine Glitter - Walmart - \$3 - <https://rb.gy/lfdeqm>
- Chunky Glitter - Amazon - \$14 - <https://rb.gy/vv37di>
- Perler Beads - Walmart - \$8 - <https://rb.gy/fwavzj>
- Clear Tape - Amazon - 6 Rolls for \$15 - <https://rb.gy/olwh7a>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- 12 inches of Large Tubing
- 1 inch of Small Tubing
- 3 different colors of glitter in portion cups. Enough Glitter in each cup to completely cover the bottom of the portion cup.
- 1 portion cup 1/2 full of perler beads
- 1 Roll of clear tape



GLITTER TUBE BRACELETS



MATERIALS

Large Tubing
Small Tubing Piece
Glitter
Scissors

Water
Clear Tape
Hand Sanitizer (Not included)
Perler Beads

SETUP & INSTRUCTIONS

1. Measure your wrist with the large tubing. You want it big enough that you will be able to slip off your bracelet, but not so big that it falls off.
2. Cut the large tubing with your scissors. Make sure the cut is straight.
3. The small tubing is already cut for you to the correct length. Stick the small tube into one end of the larger tube. This should be a pretty snug fit. Try to get it about half way into the larger tube.
4. Now you are ready to fill your bracelet with glitter, perler beads, and water. Be sure to cover the end of the bracelet end with your finger or all of your glitter will fall out.
5. Put the glitter in your bracelet first. You do not want it completely full or it will not move around when you put the water in. Next, you can put perler beads in your bracelet. This is completely optional. You will only need 4 or 5 beads to put in your bracelet.

INSTRUCTIONS CONTINUED

6. Now add water. The best way is to run your bracelet under the faucet. Make sure to turn the water on a low stream of water and cover the hole at the end of one end of your bracelet.
7. Still covering the hole on the end of your bracelet, squirt a small amount of hand sanitizer on the small tubing that is not yet in the bracelet. Immediately insert the small tube into the larger tube to create a circle. Shove them as close together as you possibly can.
8. The last step may require a helper. Tear off a small piece of clear tape. Then, pull together the 2 pieces of the larger tube so they are flush to each other. (You should not be able to see any of the small tubing at this point.) While holding the ends together, put the clear tape on to secure the ends together. This will ensure that the bracelet stays sealed.
9. Show off your bracelet to everyone you know!

Watch Instructional Video Here:



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Clay Creations

Supplies:

- Clay - Hobby Lobby - \$19.99 - <https://rb.gy/xkptru>
- Clay Book/Pages
- Paint
- Paint Brush
- 2 oz. portion cups- Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- Clay - Cut the clay using dental floss into 1 inch wide slabs. Cut the slabs in half and place in baggie.
- 3 or 4 clay instructions for different animals/creations.
- 6-8 portion cups of different colors of paint
- 1 Paint Brush



Print Outs Included In Each Box:

CLAY CREATIONS



MATERIALS

Clay
Paper Plate
Cup of Water

Cups of Paint
Paint Brush
Design Sheets

SETUP & INSTRUCTIONS

1. Take clay out of baggie and set on paper plate..
2. Choose design on design sheets
3. Follow steps on design sheets to create your clay creation. You may need to use the toothpicks provided to create detail in your design.
4. Tip: Water helps smooth your clay out, but be careful not to use too much or it will make the clay too watery.
5. Let dry overnight.
6. Paint your creation using paint in cups and your paint brush.
7. Allow to dry to for at least one hour.
8. Show off your creation!

ADVENTURER'S CRAFT

GRADES: 5-8

COST: \$20



Origami

Supplies:

- Origami Paper- Amazon - \$14.59 for 1000 sheets. <https://rb.gy/nuyoui>
- Glue Stick - Amazon - \$11.72 for 30 - <https://rb.gy/rthcho>

Supplies Included in Each Box:

- 100 sheets of paper. Try to get a variety of colors.
- 1 Glue Stick

Print Outs Included In Each Box:

ORIGAMI



MATERIALS

Origami Paper
Scissors

Glue Stick

INSTRUCTIONS

1. Choose which project you would like to work on. Your options are:

Ninja Star
(Easy)

Mini Book
(Easy)

Endless Flipping Slinky
(Medium / Difficult)

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Paracord Bracelets

Supplies:

- Paracord Bracelet Kit - Amazon - \$36.29 for 20 Bracelets - <https://rb.gy/98ueu4>

Supplies Included in Each Box:

- 1 cord and bracelet buckle
- If you do not purchase the kit, you will need 12 feet of 550 paracord per bracelet and 1 buckle (<https://rb.gy/djfewn>)

Print Outs Included In Each Box:

PARACORD BRACELET



MATERIALS

Paracord

Bracelet Clip

Lighter, Parent Use
Only

Tape

INSTRUCTIONS

Watch Instructional Video Here:



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Kumihimo

Supplies:

- Kumihimo Pattern Printed on Cardstock
- Embroidery Thread - Walmart - \$4.24 for 36
<https://rb.gy/sdjyaz>
- Scissors
- Masking Tape - Amazon - 10 rolls for \$14 - <https://rb.gy/be2zyw>

Supplies Included in Each Box:

- 1 Printout of the Kumihimo Pattern. We tried to fit 2 on a page so they would have a second pattern.
Download <https://rb.gy/12q4k8>
- 2 or more skeins of embroidery thread.
- 1 Roll of masking tape

Print Outs Included In Each Box:

KUMIHIMO



MATERIALS

Kumihimo Pattern Scissors
Embroidery Thread Tape

SETUP

1. Cut out the Kumihimo pattern out around the outer circle of the pattern.
2. Cut the slits on the pattern. Be sure to not cut too far into the pattern or it will be difficult to weave.
3. You will need 4 strands of embroidery thread, 2 of one color and 2 of another color. Measure each of them by stretching them out to be your arm span long.
4. Hold all of the strings at one end. Straighten them up to that the end is all even. The end that is hanging down, may not be even. Take your scissors and cut all of the strings so they are the same length.
5. Fold the strings in half, matching the ends so there is a loop at one end and 8 strings at the other.
6. Hold the string by the loop part of the strings and tie a loop knot.
7. Cut a hole in the center of the Kumihimo pattern with your scissors.
8. Make sure that the strings can snugly fit through the hole, so don't make it too big. Insert the loop down through the hole.
9. Separate the strings and insert your first color in the North (N) position on the pattern. Place the same color to the right of the N string. Then take the same color string and put it in the south position and one to the right of the S position. Do the same with you 4 remaining strings but put them in the East and West positions on the pattern.

INSTRUCTIONS

10. Now we can start weaving.
11. Hold the pattern in your left hand. You will be moving the strings around your loom with your right hand.
12. Position the pattern so that the North (N) direction is at the top. Take the string that is in the North position (the one on the right) and move it down to the right of the same color at the bottom of the loom. Hook it in the loom.
13. Rotate the loom 90 degrees counterclockwise, so that East is at the top.
14. Take the other color (the string on the right) and move it down to the right of the same color at the bottom of the loom. Hook it in the loom.
15. At this point you should have 2 different shapes of string that look like brooms and 2 single strings. If you do not have this, go back and try the steps again.
16. Rotate the loom 90 degrees counterclockwise. Choose the string that is most on the right of that color, and move it to the bottom right of the color on the loom.
17. Repeat these steps until you are close to running out of string.
18. To tie off your bracelet, pull the bracelet out of the loom. Tie a loop knot on the loose end.
19. You can reuse your loom as many times as you want!

Watch Instructional Video Here:



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WAYFINDER'S CRAFT

AGE: TEENS

COST: \$25



Hydrodipping

Supplies:

- Water bottle 100 for \$328, Totally Promotional
<https://rb.gy/nlsyls>
- Marbling Inks - Easy Marble on joggles - \$50.96-
\$72.80 for 20 - <https://rb.gy/rxgdrx>
- Wooden Skewers - Walmart.com - 100 for \$1 -
<https://rb.gy/vyK0cf>
- Cardboard - a few 4x6 pieces
- Large Plastic Tub -

Supplies Included in Each Box:

- 1 water bottle
- 3 marbling inks
- 3 Wooden Skewers
- 1 Plastic tub with lid. We used this as the "box" for each order.

Print Outs Included In Each Box:

HYDRODIPPING



MATERIALS

Water bottle	Modge Podge
Tape	Paint Brush
Marbling Paints	Plastic Gloves
Plastic Tub	Cardboard Piece
Skewer	

SETUP

1. Be sure you are in a well ventilated area or outside.
2. Read directions all the way through once and then start on your project.
3. Fill the plastic tub 2/3 of the way full with water.
4. Tape lid of water bottle and where you mouth will touch the water bottle. Be sure that your tape around the edge is straight or your design will look off.
5. Put on gloves.
6. Choose colors of the marbling paints that you would like to use and set them out. You can take off the lids and set next to the tub so they are ready to use.
7. Have your cardboard piece and skewer next to the tub as well.
8. Starting with the darkest color first, shake your marbling paints on top of the water. THE PAINT DRIES FAST SO BE READY TO MOVE!!!! Shake your other colors on top of the water as well using an alternating pattern.

INSTRUCTIONS CONTINUED

9. Use the Skewer and marble the paint using a swivel motion. (like you are drawing a snake in the water).
10. Quickly grab your water bottle. Be sure to hold it by the taped lid and insert the water bottle in the water slowly at a 45 degree angle until all of the bottle is underwater.
11. Shake the bottle underwater back and forth to loosen any extra paint hanging around your bottle.
12. Use the skewer to move excess paint out of the way and bring your bottle out of the water.
13. The paint dries quickly, but set bottle aside for 5 minutes.
14. Clear off the paint that is on the top of the water using your cardboard piece and bring it to the sides.
15. Take off gloves.
16. Get Modge Podge and paint brush and paint the outside of your bottle. This protects it so that the bottle can be washed in the dishwasher. Let dry completely.
17. Dump water down drain or outside. Throw away skewer, gloves, cardboard, and tape.
18. Enjoy!

Watch Instructional Video Here:



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Canvas Painting

Supplies:

- Canvas - Amazon - 12 for \$24 - <https://rb.gy/bhv9ka>
- Paper Plate - Walmart - 150 for \$9.48 - <https://rb.gy/5mxb5r>
- Pencil - Dollar Tree - 12 for \$1 - <https://rb.gy/Oviles>
- Toothbrush - Dollar Tree - 4 for \$1 - <https://rb.gy/xzafec>
- Fire Pattern - we found a nice fire pattern online - <https://rb.gy/jgp4qy>
- Cup for Water - Walmart - 120 for \$5.98 - <https://rb.gy/fucqhx>
- Paintbrush - Amazon - 50 for \$15 - <https://rb.gy/ashvs6>
- Paint - Walmart - \$2.50 each color - <https://rb.gy/rirc4v>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- 1 - 8x10 Canvas
- 1 - Paint Brush
- 6-8 portion cups of different colors of paint
- 1- Paper Plate
- 1- Pencil - sharpened
- 1- Toothbrush
- 1- Fire Pattern
- 1- Cup for Water

Print Outs Included In Each Box:

CANVAS PAINTING



MATERIALS

Canvas
Paint Brush
Paper Plate
Pencil

Paint
Toothbrush
Fire Pattern
Cup of Water

Watch Instructional Video Here:



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SETUP & INSTRUCTIONS

1. Set up your canvas on a flat work space.
2. Fill your cup with water to rinse your brush out in.
3. Open all of the paint cups. Put some white paint on the paper plate.
4. Wet your brush and dab it on a paper towel.
5. Dip your brush in the blue paint and brush a little on the plate as a test. Then at the top of your canvas using an arc motion apply a thin layer of the blue paint. Continue doing this until you are about half way down the sky portion of your painting.
6. Add a second layer of paint over what you just painted. Paint the sides as well.
7. While the blue paint is still wet, dip your brush in the white paint (don't wash out your brush) and start making an arc motion under where you already painted the dark blue paint.
8. As you move down the painting, apply more white paint to create a lighter blue colored sky on your canvas. Stop once you reach the line that separates your sky from your ground.
9. Paint your sides with the light blue color.

INSTRUCTIONS CONTINUED

9. Paint the bottom portion of the canvas solid black. Paint the sides.
10. Using the black paint, paint the trees. Start on the left side of the tree line. Start at the top of the tree and create a triangle shape with your brush. Keep working down the tree, being sure to stroke out towards the outside of your tree to create the tree shape.
11. Create as many trees as you want, but be sure to vary the size and height of the trees.
12. Wait for this to dry.
13. Trace the back of the pattern with your pencil. Be sure your lines are thick so that you will be able to see them when we transfer them on the canvas.
14. Place pattern over canvas, with pencil drawing down on the canvas. Rub the pattern to transfer the pencil marks onto the canvas.
15. Paint the moon with the white paint.
16. Paint the flames with a light coat of white paint.
17. Paint the marshmallow white. On your plate, mix black and white to create a light gray and paint the top and bottom oval part of the marshmallow.
18. On your plate, mix the brown and white paint to create a light brown. Paint the marshmallow sticks and the ends of the logs.
19. Paint the long part of the log with just the brown paint (no white mixed in).
20. Paint lines on the log with the light brown to create texture. Also paint a spiral on the ends of the logs. Take your paintbrush and make strokes on the "ground" to define the ground.
21. Put Red and yellow paint on your plate. Paint the bottom of your fire yellow. Make sure your brush strokes go in the direction of the flames. Wipe off your brush.
22. Paint the top half of your flames red. Be sure to blend the middle section into orange. Once this is dry, add another layer of paint.

Ribbon Rose

Supplies:

- Red/Pink Double Face Ribbon - Amazon - 150 feet for \$15 - <https://rb.gy/aehbhj>
- Green Double Face Ribbon - Amazon - 15 feet for \$6.70 - <https://rb.gy/62ocnb>
- 3 Inch Ruler -
- Hot Glue Sticks - Walmart - 50 for \$6 - <https://rb.gy/pox9ml>
- Skewer - Walmart - 100 for \$.97 - <https://rb.gy/vyK0cf>
- Scissors

Supplies Included in Each Box:

- 4 feet of red or pink ribbon
- 2 feet of green ribbon
- 1- 3 inch ruler. We used plastic ones that we could cut into multiple 3 inch rulers.
- 4-5 hot glue sticks
- 1 - wooden skewer
- 1 - pair of sharp scissors so the ribbon doesn't fray

Print Outs Included In Each Box:

RIBBON ROSE



MATERIALS

Red or Pink Ribbon

Green Ribbon

Ruler

Hot Glue Sticks

Skewer

Scissors

SETUP & INSTRUCTIONS

1. You will need a hot glue gun for this project (not included). Plug in the hot glue gun so that it can warm up.
2. Take your Red/Pink ribbon and wrap it around your ruler 6 full times (down one side and up the other).
3. Hold ribbon carefully and cut ends of ribbon on short ends of the ruler. This should give you 12 pieces of ribbon 3" long.
4. Make the ribbon pieces into rose petals by folding the two bottom corners up to the top edge of the ribbon. Hot glue in place.
5. Then take points and fold them into the middle and glue down on bottom.
6. Do this for all 12 pieces.
7. Take the skewer and green ribbon. Put hot glue on one end of skewer, lay ribbon flat on table and roll the ribbon around the skewer until you reach the top of the skewer. Attach with hot glue.
8. Lay out all of your rose petals, with the folded sides up. Lay each petal on top of each other, covering up one of the folded halves of the petal. Hot glue each petal in place.

INSTRUCTIONS CONTINUED

9. Flip the rose petals over so the flat side is up.
10. Place hot glue on bottom straight edge of rose petals in small portions as you work so that it doesn't dry too fast.
11. Start at one end of the rose petal line. Slowly roll the skewer over the petals, making sure they are rolling around each other tightly.
12. Apply additional hot glue to end piece to hold in place.
13. You may need to pick off any excess or stringy hot glue to finish off your project.

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Crochet

Supplies:

- Skeins of Yarn - Hobby Lobby - \$3ish <https://rb.gy/w4mh0d>
- Crochet Hook - Amazon - 5 for \$10.99 - <https://rb.gy/ki015n>

Supplies Included in Each Box:

- 1 - skein of yarn. The tighter woven it is, the easier it will be to crochet. If it is big chunky yarn, it makes it more difficult to crochet as a beginner.
- 1 - crochet hook

Print Outs Included In Each Box:

CROCHET



MATERIALS

Skein of Yarn
Crochet Hook

Scissors
Patience

INSTRUCTIONS

1. You will learn 3 basic skills needed for crochet in our video tutorial; a slip knot, chain stitch and single crochet. Please feel free to pause it as many times as you need to learn how to master these skills.
2. Have fun!

Watch Instructional Video Here:



heartcamp.org/wayfinders-craft

BONUS CRAFT BOX

GRADES: ALL

COST: \$20



Q-Tip Painting

Supplies:

- Paintbrush - Amazon - 50 for \$15 - <https://rb.gy/ashvs6>
- Paint - Walmart - \$2.50 each color - <https://rb.gy/rrrc4v>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>
- Q-Tips - Walmart - 2000 for \$11.48 - <https://rb.gy/hlm6mg>
- Toothbrush - Dollar Tree - 4 for \$1 - <https://rb.gy/xzafec>
- Rubber Bands - Walmart - 88 for \$.67 - <https://rb.gy/j9yyp7>
- Business Card
- Canvas - Amazon - 12 for \$24 - <https://rb.gy/bhv9ka>

Supplies Included in Each Box:

- 5 cups of paint
- 20 - Q-Tips
- 1 - Toothbrush
- 2 - Rubber Bands
- 1 - Business Card
- 1 - Paint Brush
- 1 - Canvas

Print Outs Included In Each Box:

Q-TIP TREES



MATERIALS

Paint
Q-Tips
Toothbrush
Rubber bands

Business Card
Paint Brush
Canvas

SETUP & INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/crafts

Clay Hedgehog

Supplies:

- Clay - Hobby Lobby - \$19.99 - <https://rb.gy/xkptru>
- Twigs - Free from your camp
- Black Pony Bead - Walmart - 500 for \$2.85 - <https://rb.gy/rghpgx>
- Googly Eyes - Walmart - 150 for \$3.47 - <https://rb.gy/etnjpx>
- Hot Glue Sticks - Walmart - 50 for \$6 - <https://rb.gy/pox9ml>

Supplies Included in Each Box:

- 1 - Large Clump of clay about the size of your hand in a sealable sandwich baggie
- Twigs - about 15 twigs the size of your arm or you can break them down smaller so they are easier to package. Look for a variety of thin and thick sticks. They shouldn't be any thicker than your pinky in diameter.
- 1 - Black Pony Bead
- 2 - Googly Eyes
- 1 - Hot Glue Stick

Print Outs Included In Each Box:

CLAY HEDGEHOG



MATERIALS

Clay
Twigs
Black Bead

Googly Eyes
Hot Glue

SETUP

Watch Instructional Video Here:



iheartcamp.org/crafts

Soda Flower

Supplies:

- Soda Can Petals
- Green Can Leaves
- Hot Glue Sticks - Walmart - 50 for \$6 - <https://rb.gy/pox9ml>
- Leaf punch - Amazon - 1 for \$19.10 - <https://rb.gy/dozqm2>
- Barrett Piece - Hobby Lobby - 20 for \$2.99 - <https://rb.gy/llmvkl>
- Tin Snips
- Work Gloves

Supplies Included in Each Box:

- To create petals, Cut the top and bottom off the can using tin snips. This should create a long strip of usable soda can.
- Use your punch to cut out large and small tear shapes.
- 1 - Hot Glue Stick
- 1 - Barrett Piece
- 4 - Green Can Leaves
- 10-12 small soda can leaves - these should be all the same color or as close to the same color as possible. It helps if they all come from one kind of soda can, ex pepsi
- 12 large soda can leaves - the same color as the small leaves

Print Outs Included In Each Box:

SODA CAN ROSE



MATERIALS

Soda can petals
Green can metal

Leaves
Hot Glue

SETUP & INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/crafts

Scratch Art

Supplies:

- Oil Pastels - Hobby Lobby - 48 for \$7.49 - <https://rb.gy/4aqs7n>
- Paper Plate - Walmart - 150 for \$9.48 - <https://rb.gy/5mxb5r>
- Black Tempera Paint - Amazon - 1 Gallon for \$12.70 - <https://rb.gy/pygagg>
- Paintbrush - Amazon - 50 for \$15 - <https://rb.gy/ashvs6>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>
- Wooden Skewers - Skewer - Walmart - 100 for \$9.97 - <https://rb.gy/vyK0cf>
- Paper Bowl - Walmart - 70 for \$4.63 - <https://rb.gy/iltefq>

Supplies Included in Each Box:

- 6 - 8 Oil Pastels. Try to vary the colors and choose colors that work well together.
- 1-3 - Paper Plates
- 2 - 2 oz portion cups of Black Tempera Paint
- 1 - Paint Brush
- 1-3 - Wooden Skewers
- Bowls of Different Sizes - you can include a portion cup and a paper bowl or have the camper find these around their house.-

Print Outs Included In Each Box:

SCRATCH ART



MATERIALS

Oil Pastels
Paper Plate or Thick Paper
Black Tempera Paint

Paint Brush
Skewers
Bowls of Different Sizes

SETUP & INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/crafts

Flower Tile

Supplies:

- White Ceramic Tile - Menards - \$.35 each - <https://rb.gy/pgc5yv>
- Alcohol Inks - Hobby Lobby - 3 for \$8.39 - <https://rb.gy/txlz0x>
- Plastic Gloves - Amazon - 100 for \$14.50 - <https://rb.gy/a7haa3>
- Plastic Straw - Amazon - 500 for \$6.99 - <https://rb.gy/urcpmj>
- Sheet Pan - did not include with the kit

Supplies Included in Each Box:

- 2 - 3 White Ceramic Tiles
- 3 - Alcohol Inks. There are different color combinations that we purchased at the link above.
- 2 - Plastic Gloves
- 1 - Plastic Straw
- Sheet Pan - did not include with the kit but highly suggested

Print Outs Included In Each Box:

flower Tile



MATERIALS

White Ceramic Tile

Gloves

Alcohol Paint

Straw

Sheet Pan (not included)

SETUP

Watch Instructional Video Here:



iheartcamp.org/crafts

Boondoggle

Supplies:

- Plastic Lacing (option 1) - Walmart - 420 feet for \$6.89 - <https://rb.gy/8mp8pp>
- Plastic Lacing (option 2) - Walmart - 1240 feet for \$19.99 comes with metal rings - <https://rb.gy/1kttzr>
- Metal Ring - Walmart - 48 for \$5.94 - <https://rb.gy/diciys>

Supplies Included in Each Box:

- 2 - 6 foot pieces of plastic lacing already attached to the metal ring. Option 1 of the plastic lacing comes with a button starter that helps start the Boondoggle.

Print Outs Included In Each Box:

BOONDOGGLES



MATERIALS

2 - 6ft pieces of plastic lacing

Metal Ring

SETUP & INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/crafts

String Painting

Supplies:

- Yarn - Walmart - 1 skein for \$3.88 - <https://rb.gy/b3s0eq>
- Paintbrush - Amazon - 50 for \$15 - <https://rb.gy/ashvs6>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>
- Paint - Walmart - \$2.50 each color - <https://rb.gy/rrrc4v>
- Paper Plate - Walmart - 150 for \$9.48 - <https://rb.gy/5mxb5r>
- Black Cardstock - Walmart - 50 sheets for \$3.97 - <https://rb.gy/yrgrxg>
- Cup for Water - Walmart - 120 for \$5.98 - <https://rb.gy/fucqhx>
- Book or Heavy Object (not included)

Supplies Included in Each Box:

- 2 - 3 feet of Yarn. This does not have to be super nice or expensive yarn.
- 3 - cups of Paint
- 2 Sheets of Black Cardstock
- 1 - Plastic Cup
- 1 - Paper Plate
- 1 - Paint Brush

Print Outs Included In Each Box:

STRING FLOWERS



MATERIALS

Yarn

Book or flat, heavy

Paint

object

2 Pieces of Paper

SETUP

Watch Instructional Video Here:



iheartcamp.org/crafts

EXPLORER'S STEM

GRADES: K-4

COST: \$15

Explorers STEM BOX

(Grades K-4)

Mad Science

Supplies:

- Baking Soda - Walmart - 1 box for \$.52 - <https://rb.gy/luxyep>
- Vinegar - Walmart - \$2.67 - <https://rb.gy/qr5d6a>
- Peroxide - Dollar Tree - \$1 - <https://rb.gy/sed42s>
- Alcohol - Walmart - 2 bottles for \$3.92 - <https://rb.gy/iqbywm>
- Vegetable Oil - Walmart - 1 gallon for \$4.44 - <https://rb.gy/miull6>
- Dish Soap - Amazon - 2 large containers for \$13.58 - <https://rb.gy/qs7yi2>
- Salt - Walmart - 2 containers for \$3.48 - <https://rb.gy/ewpzzp>
- Sugar - Walmart - 2, 10 pound bags for \$9.88 - <https://rb.gy/q4uytl>
- Shaving Cream - (Optional) - Dollar Tree - \$1 - <https://rb.gy/c5eglm>
- Plastic Spoons - Amazon - 600 spoons for \$15 - <https://rb.gy/tr9cin>
- Pencil - Dollar Tree - 12 for \$1 - <https://rb.gy/Oviles>
- Small Foam Bowls - Walmart - 100 for \$3.28 - <https://rb.gy/lhber4>
- Mad Science Record Sheet
- Food Coloring - Optional
- Computer Labels

Supplies Included in Each Box:

- We put each of the ingredients in their own small sandwich bag, filling them about an inch of the way up. Add food coloring to any of the wet ingredients to make them a different colors.
- We labeled each bag with the name we chose for that item. (see example sheet)
- Then, we placed all of the wet ingredients in a large Ziploc bag and sealed it so that if the wet ingredient bags leaked, it wouldn't ruin the rest of the ingredients
- Include 4 bowls, 4 spoons, and 4 mad science record sheets so they can perform multiple experiments.

MAD SCIENCE



MATERIALS

Mystery Ingredients

Small Bowls

Stirrers (spoons)

Mad Science Record

Pencil

Sheet

INSTRUCTIONS

1. Safety always comes first with Mad Science!!! Nothing should be tasted, eaten, or drank.
2. You will need a large mixing bowl or container to perform your mad science experiments in (not included).
3. Get out your Mad Science Record sheets to record what ingredients you are putting in your experiment. **IP:** You will need at least 2 ingredients to see amazing results; one liquid and one powder. You won't need to use all of the ingredient for one experiment. Try a spoonful or two to start out with.
4. Use your stirrer (spoon) to mix ingredients together.
5. Write down any observations and draw what happened.
6. When you are done with one experiment, everything is safe to toss in the trash or put down the drain with running water. Rinse out your bowl.
7. Start another experiment and see if it has a different reaction.
8. The last step is to practice your Mad Scientist laugh (BWAHAHAHAH) and to have fun!

INSTRUCTIONS CONTINUED

9. Flip the rose petals over so the flat side is up.
10. Place hot glue on bottom straight edge of rose petals in small portions as you work so that it doesn't dry too fast.
11. Start at one end of the rose petal line. Slowly roll the skewer over the petals, making sure they are rolling around each other tightly.
12. Apply additional hot glue to end piece to hold in place.
13. You may need to pick off any excess or stringy hot glue to finish off your project.

Watch Instructional Video Here:



theartcamp.org/wayfinders-craft

Mad Science

Ingredient #1: _____

Ingredient #2: _____

Ingredient #3: _____

What do I think will happen:

Draw what happens:

|

Explain what happens:

Word Bank:

Fizzed	Bubbled	Nothing	Changed Color	Got Foamy
Separated	Clumped Together		Expanded	

Name of Mixture: _____

Round 1

Potion Key

Baking Soda - Dragon Powder

Vinegar - Witches Brew

Peroxide - Unicorn Sweat

Water - Mugwort

Alcohol - Dew of the Sea

Vegetable Oil - Owl Eyes

Dish Soap - Liquid of Death

Salt - Fairy Dust

Sugar - Floof Powder

Shaving Cream - Piece o' Cloud

Round 2 Potion Key

Baking Soda - Fairy Dust

Vinegar - Dew of the Sea

Peroxide - Liquid of Death

Water - Witches Brew

Alcohol - Mugwort

Vegetable Oil - Unicorn Sweat

Dish Soap - Owl Eyes

Salt - Floof Powder

Sugar - Dragon Powder

Shaving Cream - Piece o' Cloud

Best Slime Ever

Supplies:

- Elmer's Glue Jug - Amazon - 32 cups for \$22 - <https://rb.gy/r6lwyp>
- Baking Soda - Walmart - 4 pounds for \$2.25 - <https://rb.gy/ism8pu>
- Saline Contact Solution - Walmart - 24 oz for \$7.30 - <https://rb.gy/r8pczp>
- Plastic Spoon - Walmart - 1000 for \$11.25 - <https://rb.gy/7qnsdv>
- Glitter - Walmart - 16 packs for \$3.54
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- 1 cup glue = 4 portion cups full (2 oz size)
- 1 portion cup full of water
- 1/2 tsp baking soda - 1 portion cup
- 3 Tablespoons saline in a portion cup
- Spoon
- 1 pack of glitter or half a portion cup full of glitter
- We made sure to put the 4 portion cups of glue in a small sandwich baggie to ensure that if it opened, it wouldn't ruin the other items
- All items were then placed in a large ziplock baggie and sealed.

THE MOST AMAZING SLIME



Recipe

1 cup white glue

1/4 cup water

1/2 tsp baking soda

Food Coloring (not included)

3 T Saline

Spoon

Glitter

INSTRUCTIONS

1. You will need a mixing bowl (not included)
2. Dump glue out of the 4 small containers. Use spoon to make sure you get it all out of the cup.
3. Add in water and baking soda. Make sure it is all mixed together.
4. Add in food coloring (not included) and glitter (optional)
5. Pour in the Saline solution and stir with spoon. You will see the slime start to form. Grab slime with hands and smooch together.
6. Have fun with your slime!!! Stretch it, smooch it!
7. Store your slime in your plastic bag and play with it another day.

Why do Leaves Change Color?

Supplies:

- Rubbing Alcohol - Walmart - 16 oz for \$1.54 - <https://rb.gy/3v8fuh>
- Coffee Filter - Walmart - 600 for \$12 - <https://rb.gy/vajhwi>
- Plastic Wrap - Walmart - 1000 ft roll for \$21.97 - <https://rb.gy/obxg0s>
- Mason Jar - Walmart - 12 for \$10.43 - <https://rb.gy/ljq4ct>
- Craft Stick - Walmart - 1000 for \$4.97 - <https://rb.gy/gg7m58>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- 2 portion cups full of rubbing alcohol. We packaged this in a small baggie and sealed it so it wouldn't leak on everything else.
- 1 - coffee filter
- 2 feet of plastic wrap neatly folded so it could be reused.
- 1 - mason jar with lid
- 1-2 craft sticks

WHY DO LEAVES CHANGE COLORS



Recipe

3 Leaves (from the same tree)

Rubbing Alcohol
Coffee Filter

Plastic Wrap
Mason Jar
Craft Stick

INSTRUCTIONS

1. Rip up leaves into tiny pieces
2. Pour rubbing alcohol over the pieces until they are just covered
3. Mash and Stir the leaves in the alcohol until it turns green (this is key)
4. Cover the jar with plastic wrap.
5. Place jar in bowl (not included). Pour hot water in the bowl around the jar.
6. Leave the jar in the water for 30-60 minutes, swishing the jar around every so often.
7. Cut a strip of coffee filter so that the filter can reach the bottom of the jar and hang out a little bit. Let this sit in there for 1 hour.
8. Take out the strip of coffee filter which should have the colors in the leaves separated out.
9. So why do leaves change colors? (Answer on the back)

Chlorophyll gives leaves their green color and is so dominant that it hides the other colors in the leaves. But in the fall, chlorophyll in the leaves breaks down, allowing other colors to finally shine through!

Solar Prints

Supplies:

- Solar Print Paper - Amazon - 12 sheets for \$7.99
- Envelopes - Walmart - 250 for \$9.24 - <https://rb.gy/tudsid>

Supplies Included in Each Box:

- 2-3 Pieces of Solar Print Paper - you must prepare this in a non-sunlight area. We folded the papers to fit into one regular sized envelope and wrote on the envelope, "Do not open in sunlight."

Print Outs Included In Each Box:

SOLAR PRINTS



MATERIALS

Solar Print Paper
Items from Nature

Shallow Bowl
Water

INSTRUCTIONS

Watch Instructional Video Here:

Watch Instructional Video Here:



heartcamp.org/explorers-stem

Borax Crystals

Supplies:

- Borax - Amazon - 4 Boxes for \$17.88 - <https://rb.gy/mazehk>
- Pipe Cleaners - Walmart - 25 for \$.97 - <https://rb.gy/wb2ijt>
- Pipe Cleaners - Walmart - 350 for \$10.46 - <https://rb.gy/j6s0ex>
- Embroidery Thread - Walmart - \$4.24 for 36
<https://rb.gy/sdjyaz>
- Pencil - Dollar Tree - 12 for \$1 - <https://rb.gy/Oviles>

Supplies Included in Each Box:

- 1/4 box of borax in a large Ziploc bag.
- 3-4 pip cleaners - all the same color
- 1 skein of embroidery thread
- 1 pencil
- Make sure all of the air is out of the Ziploc full of Borax and seal closed. Then place all items into another large Ziploc bag.

BORAX CRYSTALS



MATERIALS

Borax
Pipe Cleaners
Scissors
Thread

Pencil
Large Pot (not included)

INSTRUCTIONS

1. This STEM activity required using the stove top. Be sure an adult is able to help you with this activity before you start.
2. Using your pipe cleaners, bend them into a loose coil shape, making sure to weave them in and out of each other to ensure they can hold the crystals. Two to three pipe cleaners works best.
3. Tie a piece of string around the pipe cleaner, long enough for it to be suspended into the borax solution, but not touch the sides or bottom.
4. Fill pot with 8 cups of water and bring to a boil.
5. Pour Borax in until no more will dissolve or box is empty.
6. Turn off burner but keep pot on burner. While solution is still hot, dunk your pipe cleaners in and out of the water to shake off any air bubbles.
7. Soak Pipe cleaners in solution overnight.
8. The next morning, pull out a super cool crystal.

Parachutes

Supplies:

- Travel Bottle - Walmart - 4 for \$3.47 - <https://rb.gy/goay2f>
- Scotch Tape - Dollar Tree - 2 for \$1 - <https://rb.gy/pdfnkn>
- Cardstock - Walmart - 150 sheets for \$5.92 - <https://rb.gy/xp47j8>
- Balloons - 2 different colors - Amazon - 100 for \$7.99 - <https://rb.gy/37qsdm>
- Twine - Walmart - 200 feet for \$7.89 - <https://rb.gy/gv5tsz>
- Rice - Dollar Tree - 1 Bag equals 5 cups for \$1 - <https://rb.gy/qojc9a>
- Plastic Tablecloth - Dollar Tree - \$1 each - <https://rb.gy/9a7bjs>

Supplies Included in Each Box:

- 1 travel bottle
- 1 roll of scotch tape
- 1 piece of cardstock cut in half
- 3 balloons all the same color
- 1 balloon a different color
- 6 feet of twine
- 1 1/2 cups of rice in a small baggie
- 1/2 a plastic tablecloth

* Beware of latex allergies

Print Outs Included In Each Box:

PARACHUTES



MATERIALS

- | | |
|----------------------------|-----------------------------------|
| Empty Travel Bottle | 1 - Balloon of different color |
| Scotch Tape | 6ft of string |
| 8.5x5.5 piece of cardstock | 1/5 Cup of rice |
| 3 - Balloons of 1 color | 2x2ft piece of plastic tablecloth |

INSTRUCTIONS

Watch this great instructional video on how to create these awesome parachutes!

Watch Instructional Video Here:



heartcamp.org/explorers-stem

ADVENTURER'S STEM

GRADES: 5-8

COST: \$20

Adventurers STEM Box

(Grades 5-8)

Tree Cookies

Supplies:

- Wooden Tree Cookie - Amazon - 20 for \$12.99 - <https://rb.gy/eaczwo>
- 14 inch cardboard cake board - Amazon - 15 for \$15 - <https://rb.gy/cdh8lc>
- Marker -Dollar Tree - \$1 - <https://rb.gy/er37rm>
- Pencil - Dollar Tree - 12 for \$1 - <https://rb.gy/Oviles>

Supplies Included in Each Box:

- 1 - Wooden Tree Cookie
- 1 - Cardboard cake board
- 1 - Marker
- 1 - Pencil

TREE COOKIES



MATERIALS

Cardboard Tree
Cookie

Marker
Pencil

Wooden Tree Cookie

INSTRUCTIONS

Did you know that you can tell how old a tree is by the rings on the inside of the tree? Look at your wooden tree cookie. Count the rings you see. How old is it? _____

2. You can tell a lot about a tree by looking at its rings. If the rings are farther apart, that means the tree grew a lot that year. If they are closer together, maybe it didn't grow as much. If there are dark splotches, that means there was something that scarred the tree.
3. Now you get to create your own tree cookie. With a pencil, draw as many rings as you are old on your cardboard tree cookie. (Ex. if you are 10, you would make 10 rings). Make sure to include any big growth years or scars. You can also include exciting things that happened (Ex - the year you got saved. Put a cross on that ring of your tree cookie).
4. Once you have your rings drawn in pencil how you like them, draw over them with a marker (not included).
5. Share your tree cookie with someone else and tell them about all of the rings and any other marks you put on there.

Paper Mache

Supplies:

- Paper Mache Rolls - Amazon - 8 rolls for \$26.99 - <https://rb.gy/6pja3f>
- Masking Tape - Amazon - 10 rolls for \$14 - <https://rb.gy/be2zyw>
- Paintbrush - Amazon - 50 for \$15 - <https://rb.gy/ashvs6>
- Paint - Walmart - \$2.50 each color - <https://rb.gy/rrrc4v>
- Portion Cups - Amazon - 100 for \$8 - <https://rb.gy/es7wcm>

Supplies Included in Each Box:

- 3/4 - 1 full roll of paper mache material in a baggie by itself
- 1 roll of masking tape
- 1 large sheet of cardboard from boxes we had
- Leaf shape from Amazon - Maple, Oak or any other you like
- 2 - Cardboard tubes/paper towel rolls
- 2 cups of paint - one dark green and one light green
- 1 - paint brush

PAPER MACHE



MATERIALS

Paper Mache Strips

Water

Bowl

Scissors

Pencil

Cardboard

Masking Tape

Leaf Shape

Cardboard Tubes

Paint

Paint Brush

INSTRUCTIONS

1. Cut out leaf shape and trace onto cardboard pieces twice.
2. Cut out cardboard leaves.
3. Cut cardboard tubes about half an inch each, creating small pillars.
4. Tape Cardboard pillars in between your 2 cardboard leaf shapes. *Make sure your leaf shapes are the same way
5. Wet a few strips of the paper Mache strips by dipping them in the bowl of water. Wring out with your fingers by sliding fingers down strip. Holes should disappear from strip.
6. Place Strip on cardboard leaf, making sure it is smooth.
7. Continue until leaf is completely covered with Paper Mache strips.
8. Let dry overnight.
9. Paint leaf with paint.

WAYFINDER'S STEM

AGE: TEENS

COST: \$25

Wayfinders
STEM BOX

(Teens)

Air Rockets

Supplies:

- 1x6 pine board - 10ft for \$10 - <https://rb.gy/muzv13>
- Empty 2 liter Soda Bottle
- 1/2" PVC Pipe - 10 ft for \$3 - <https://rb.gy/dhmdze>
- 1/2" PVC 45° angle connector - \$0.50 - <https://rb.gy/l5iftr>
- 3/4" EMT Clamp - \$1 each - <https://rb.gy/fncec7>
- #6 x 1/2" wood Screws - 12 for \$2 - <https://rb.gy/9rlizv>
- White Cardstock Paper
- Color Cardstock Paper
- Screwdriver
- Masking Tape

Supplies Included in Each Box:

- 1 - 1x6x12 Board
- 2 Liter Soda Bottle
- 2 - 1/2" x 12" PVC pipe
- 1 45° angle connector
- 2 - 3/4" EMT Clamps
- 4 - #6x1/2" Wood Screws
- 2 - 11x4 white Cardstock
- 4 - 5.5x4.5 color cardstock
- Screwdriver
- Masking Tape

Print Outs Included In Each Box:

Air Rocket & Launcher



MATERIALS

- | | |
|-------------------------|-----------------------------|
| 1 - 1x6x2 Board | 4 - #6x1/2" Wood Screws |
| 2 Liter Soda Bottle | 2 - 1x4 white Cardstock |
| 2 - 1/2" x 12" PVC pipe | 4 - 5.5x4.5 color cardstock |
| 1 45° angle connector | Screwdriver |
| 2 - 3/4" EMT Clamps | Masking Tape |

INSTRUCTIONS

1. Scan the QR code to watch the instructional video

Watch Instructional Video Here:



theartcamp.org/wayfinders-stem

Roller Coasters

Supplies:

- Masking Tape - Amazon - 10 rolls for \$14 - <https://rb.gy/be2zyw>
- Marble - Walmart - 50 for \$2 - <https://rb.gy/Oq8ebr>
- Foam Pipe Insulators - Menards - \$1.56 each - <https://rb.gy/hitogh>
-

Supplies Included in Each Box:

- 1 Roll of masking tape
- 2-3 marbles
- 3-4 foam pipe insulators

Print Outs Included In Each Box:

ROLLER COASTERS



MATERIALS

Tubing
Marble

Tape

SETUP

Create a rollercoaster that includes:

- * 1 upside down loop
- * 1 Turn more the 90 degrees
- * 2 consecutive Hills
- * Has to run your marble through 3 times for it to be complete

Owl Pellets

Supplies:

- Owl Pellet - Nature Watch - About \$2.40 each - <https://rb.gy/c7bdha>
- Tweezers - Dollar Tree - \$1 - <https://rb.gy/rn7db9>
- Plastic Gloves
- Owl Pellet Sheet - Google owl pellet sheet

Supplies Included in Each Box:

- 1 - Owl Pellet
- 1 - pair of tweezers
- 2 - plastic gloves
- 1 - owl pellet sheet

OWL PELLETS



MATERIALS

Owl Pellet

Gloves

Tweezers

Owl Pellet Sheet

SETUP

1. Put on gloves
2. Unwrap owl Pellet and set on table.
3. OWL PELLETS are not owl poop!! Owls are unable to digest certain parts of their food, like bones and fur. God made them so they regurgitate (cough back up) what they cannot break down or use for food. Today we are going to try to figure out what our owl ate!
4. Set out your Owl Pellet Sheet on a flat surface. We are going to be placing bones on this sheet.
5. Using tweezers and fingers as needed to break apart owl pellet and find bones. See if you can figure out what kind of animal the owl ate!

Geodes

Supplies:

- Break Open Geode - Nature Watch - \$1.65+ - <https://rb.gy/z0id0q>
- Hammer - Menards - \$2.66 each - <https://rb.gy/khsfta>

Supplies Included in Each Box:

- 1 - Geode
- 1 - Hammer

geodes



MATERIALS

Hammer

Geode

SETUP

1. What is a geode? A geode is a circular, hollow rock where masses of mineral are secluded.
2. Today we are going to crack open a geode and see what is inside!
3. Place geode on hard surface or outside on the ground.
4. Use hammer to break open geode. Hit it as hard as you can or ask an adult.
5. Look to see what is inside.

What color is inside? _____

How is the inside different than the outside?

Slingshots

Supplies:

- 5 of the 10ft long 3/4" diameter PVC Pipe - \$3.11 each
<https://rb.gy/ykx2lg>
- 2 - 3/4' T Connectors - \$0.53 each - <https://rb.gy/5wkpct>
- 2 - 3/4' Caps - \$0.29 - <https://rb.gy/wsldrv>
- 2 - 3/4' 90° Connectors - \$0.39 each - <https://rb.gy/ox6erv>
- 4 - 3/4' 45° Connectors - \$0.99 each - <https://rb.gy/7ylimd>
- Zip Ties - \$2 for 100 - <https://rb.gy/w4sftb>
- Latex Tube - \$14 for 10 feet - <https://rb.gy/wj3aqt>
- #6 x 1/2" wood Screws - 12 for \$2 - <https://rb.gy/9rlizv>
- Any ball point pen where you can remove the ink
- Black Duct Tape

Supplies Included in Each Box:

- | | |
|-----------------------|--------------------------|
| 2 - 11" 3/4 PVC Pipe | 4 - 45° Connectors |
| 2 - 6" 3/4 PVC Pipe | 2 - Zip Ties |
| 2 - 6.5" 3/4 PVC Pipe | 1 - 4ft 3/8 Latex Tubing |
| 4 - 1.5" 3/4 PVC Pipe | 30 - #6x1/2" Wood Screws |
| 2 - T Connectors | |
| 2 - Caps | 1 - 2" piece of Pen Case |
| 2 - 90° Connectors | Black Duct Tape |

Print Outs Included In Each Box:

SLINGSHOT



MATERIALS

- | | |
|-----------------------|--------------------------|
| 2 - 11' 3/4 PVC Pipe | 4 - 45° Connectors |
| 2 - 6' 3/4 PVC Pipe | 2 - Zip Ties |
| 2 - 6.5' 3/4 PVC Pipe | 1 - 4ft 3/8 Latex Tubing |
| 4 - 1.5' 3/4 PVC Pipe | 30 - #6x1/2" Wood Screws |
| 2 - T Connectors | 1 - 2" piece of Pen Case |
| 2 - Caps | Black Duct Tape |
| 2 - 90° Connectors | |

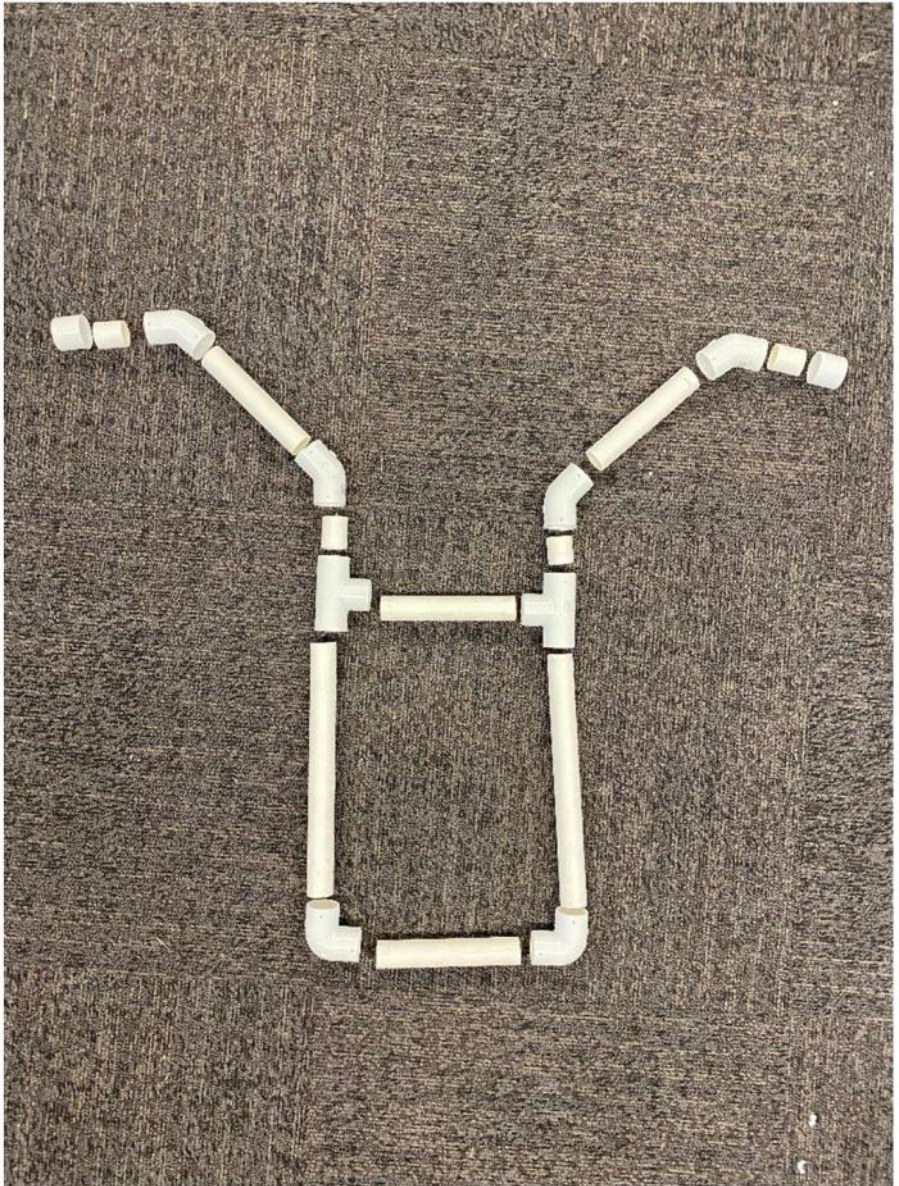
SETUP

1. See Picture on back for how to piece together the slingshot
2. Watch video for how to set up

Watch Instructional Video Here:



heartcamp.org/wayfinders-stem



BIG GAMES BOX

FAMILY FUN

COST: \$25



Basket Case

Supplies:

- Laundry Basket - Dollar Tree - \$1 - <https://rb.gy/twzldl>
- Plastic Ball Pit Balls - Walmart - 100 for \$10 - <https://rb.gy/rcwm0o>

Supplies Included in Each Box:

- 1 - Laundry Basket
- 6 - Plastic Balls

Print Outs Included In Each Box:

BASKET CASE



MATERIALS

Laundry Basket

6 - Plastic Balls

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/big-games-2

Death Ball

Supplies:

- Bungee Cord - Menards - 100 feet for \$20 - <https://rb.gy/kdg2qr>
- 10 Inch Ball - Walmart - \$2.17 each - <https://rb.gy/uymyun>
- Basketball Net - Amazon - \$2.99 each - <https://rb.gy/p3xf5o>

Supplies Included in Each Box:

- 2 - 6ft pieces of bungee cord already cut
- 1 - 10 inch ball
- 1 - Basketball net

Print Outs Included In Each Box:

DEATH BALL



MATERIALS

Ball
Bungee Cord

Basketball Net

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/big-games-2

Forehead Basketball

Supplies:

- Basketball Hoop - Dollar Tree - Toy Section - \$1
- Elastic Headband - Dollar Tree - \$1 - <https://rb.gy/dsg5er>
- Plastic Ball Pit Balls - Walmart - 100 for \$10 - <https://rb.gy/rcwm0o>

Supplies Included in Each Box:

- 4 - Mini Basketball Hoops
- 4 - Elastic Headbands
- 2 - Plastic Ball Pit Balls

Print Outs Included In Each Box:

FOREHEAD BASKETBALL



MATERIALS

Basketball Hoops
2 - Plastic Balls

2 - Stretchy Headbands

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/big-games-2

Elephant Head

Supplies:

- Elastic Headband - Dollar Tree - \$1 - <https://rb.gy/dsg5er>
- Slinky - Dollar Tree Toy Section - \$1

Supplies Included in Each Box:

4 - Slinkies. We cut these in half, so we got 2 out of one slinky

4 - Elastic Headbands, we included this game with the forehead basketball so the same headbands could be used.

Print Outs Included In Each Box:

ELEPHANT HEAD



MATERIALS

4 - Slinkies

4 - Stretchy Headbands

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/big-games-2

Battery Protect

Supplies:

- Pool Noodles - Dollar Tree - \$1 - <https://rb.gy/typgj>

Supplies Included in Each Box:

4 - 18" pieces of fun noodle. We used a band saw to cut ours.

4 - Rings. Cut a fun noodle 1 - 1 1/2 inches wide using a band saw.

Print Outs Included In Each Box:

BATTERY PROTECT



MATERIALS

4 - Large Fun Noodles

4 - Small Rings

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/big-games-2

TEAMBUILDING BOX FAMILY FUN



Gutter Ball

Supplies:

- 2 inch PVC pipe - Menards - 10 ft for \$8.79 - <https://rb.gy/dhgsqs>
- Golf Ball - Walmart - 45 for \$17.97 - <https://rb.gy/kvtpi9>

Supplies Included in Each Box:

12 - pvc pipe pieces per box. Cut the 10 foot pvc pipe long ways so that the circle of the pipe is cut in half. Then, Cut each half piece into 12 inch sections. Each pipe will make 20 pieces

1 - golf ball

Print Outs Included In Each Box:

GUTTER BALL



MATERIALS

10 Gutter Pieces

Golf Ball

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Team Handcock & Telephone Art

Supplies:

- White Erase Board with Marker- Dollar Tree - \$1 each - <https://rb.gy/hhestu>
- Twine - Walmart - 200 feet for \$7.89 - <https://rb.gy/gv5tsz>

Supplies Included in Each Box:

- 1 - White board and marker
- 4-8 pieces of twine
- 1 - set of pictures to draw

Print Outs Included In Each Box:

TEAM HANDCOCK & PHONE ART



MATERIALS

White Erase Board
White Erase Marker

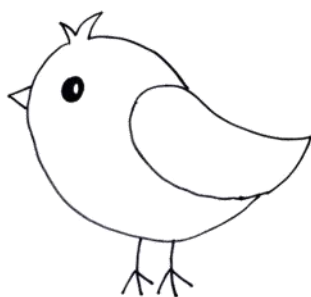
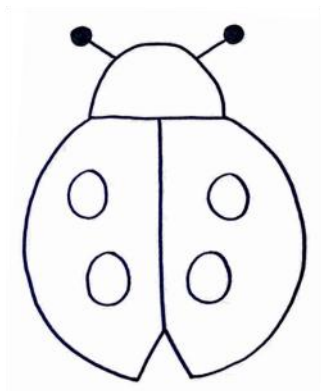
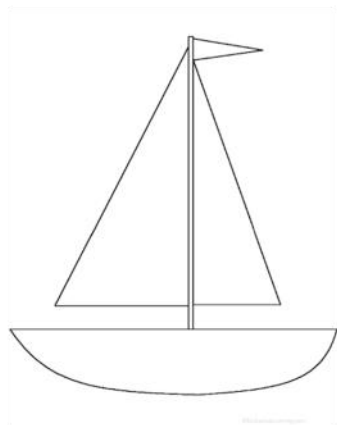
Drawing Cards
Strings

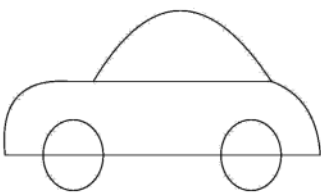
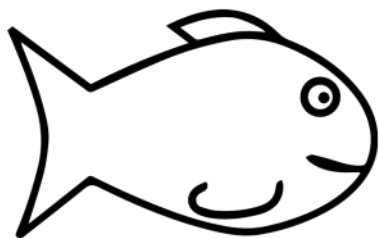
INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding





Helium Stick

Supplies:

- Square Wooden Dowel - Menards - 1 for \$3.57 - <https://rb.gy/vjshxp>

Supplies Included in Each Box:

1 - Wooden Dowel

Print Outs Included In Each Box:

HELIUM STICK



MATERIALS

Wooden Stick

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Raccoon Circle

Supplies:

- 3/8" 50 Foot Rope - Menards - 50 feet for \$3.99 - <https://rb.gy/dtm6ns>

Supplies Included in Each Box:

15 - feet of Rope. Each pack of this will make 3 whole sets. Use a lighter to burn/seal the ends of the rope. Be careful as it will be hot even after you turn off the lighter.

Print Outs Included In Each Box:

RACCOON CIRCLE



MATERIALS

15 ft of Rope

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Hula Pass

Supplies:

- Hula Hoop - Dollar Tree - \$1

Supplies Included in Each Box:

1 - Hula Hoop

Print Outs Included In Each Box:

HULA PASS



MATERIALS

Hula Hoop

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Human Caterpillar

Supplies:

- 4 Foot x 18 Foot Brown Tarp - Menards - \$5.49 each - <https://rb.gy/3zrsfg>
- Duct Tape - Walmart - 3 for \$9.97 - <https://rb.gy/dvine3>

Supplies Included in Each Box:

1 - Tarp

1 - Roll of Duct Tape

Print Outs Included In Each Box:

HUMAN CATERPILLAR



MATERIALS

Large Tarp

Duct Tape

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Ricochet Ball

Supplies:

- Ricochet Ball - Amazon - 6 for \$35.05 - <https://rb.gy/yeuxj>

Supplies Included in Each Box:

1 - Ricochet Ball

Print Outs Included In Each Box:

RICOCHET BALL



MATERIALS

Ricochet Ball

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Magic Carpet

Supplies:

- Cheap Tarp - Menards - 1 for \$1.59 - <https://rb.gy/n5kyGk>

Supplies Included in Each Box:

1 - Tarp

Print Outs Included In Each Box:

MAGIC CARPET



MATERIALS

1 Magic Carpet

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Contraction

Supplies:

- Plastic Cups - Walmart - 100 for \$6.64 - <https://rb.gy/svogam>
- Twine - Walmart - 200 feet for \$7.89 - <https://rb.gy/gv5tsz>
- Elastic Hair Tie - Dollar Tree - 7 for \$1 - <https://rb.gy/bi5awo>

Supplies Included in Each Box:

6 - Plastic Cups

5 - Strings about 3 feet long

1 - Hair tie

Print Outs Included In Each Box:

CONTRAPTION



MATERIALS

6 cups
5 strings

Hair Tie

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Handcuffs

Supplies:

- 3/8" 50 Foot Rope - Menards - 50 feet for \$3.99 - <https://rb.gy/dtm6ns>
- Twine - Walmart - 200 feet for \$7.89 - <https://rb.gy/gv5tsz>

Supplies Included in Each Box:

2 - pieces of rope 4 feet of rope

4 - pieces of twine, 2 feet long each

Print Outs Included In Each Box:

HANDCUFFS



MATERIALS

2 Pieces of Rope

4 Pieces of Yellow String

INSTRUCTIONS

Watch Instructional Video Here:



iheartcamp.org/teambuilding

Other Books by Chris & Carrie

Steal This: Ideas of Awesomeness

(Updated: December 2018)

ST: Ideas for Outdoor Ed & STEMiness

(Updated: October 2019)

ST: 50 Ways to Be Awesome

(Updated: November 2019)

ST: Ideas of Portableness

(Updated: October 2019)

ST: Ideas of Contemporary Craftiness

(Updated: February 2020)

ST: Ideas of Virtualness

(Updated: May 2020)

ST: Ideas for Time Fillers & Brain Breakiness

(Updated: August 2020)

ST: Ideas of Camp Boxiness

(Updated: April 2021)

ST: Ideas During Covidness

(Updated: April 2021)

ST: Ideas of Social Distancedness

(Updated: May 2021)

ST: Ideas for Escape Rooms & Puzzleness

(Updated: October 2021)

ST: Ideas of Teambuildingness

(Updated: October 2022)

ST: The BIG Book of Awesomeness

(Updated: February 2023)

ST: Ideas of Games & Funness

(Updated: October 2023)

ST: Ideas of CAFÉ Bagginess

(Updated: October 2023)

ST: 25 Rules for Unparalleled Hospitalityness

(Updated: February 2025)

ST: Ideas for Camp Board Greatness

(Updated: July 2025)

ST: Ideas of Parenting Awesomeness

(Updated: August 2025)

ST: 50 Ideas for Retreat Awesomeness

(Updated: December 2025)

ST: Ideas of Staff Training Greatness

(Updated: January 2026)

Princess Diary: Devos for Girls

(Updated: October 2021)

Man Book: Devos for Boys

(Updated: October 2021)

Church Notes Vol 1-4

(Updated: October 2022)

Coming Soon (whenever they get time to write)

Steal This: Ideas for Fun Fundraisingness

Steal This: Ideas of Successful Marketingness

Steal This: Ideas for Waterfront Awesomeness

Steal This: Ideas for Nighttime Funness

Steal This: Ideas of Rainy-Day Campiness



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