

**GET
READY
TO
ROAR!**



CUB SCOUT SUMMER CAMP KIT

THE EXPANSION PACK

Step-by-Step Camp Activities from
Home for the Summer of 2020

Greater St. Louis Area Council, Boy Scouts of America

Cub Scout Summer Camp Kit: The Expansion Pack

This summer camp kit is created to continue the educational adventure of Scouting from the safety of your home.

Stay at Home and Work Together

Participate in fun Scouting activities safely at home. Activities are designed with the family in mind. Parents and scouts should work together.



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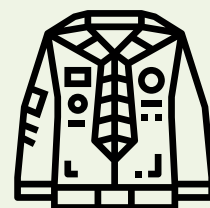
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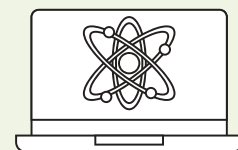
Earn Advancements

Move forward along the Cub Scout Program. All activities will help Scouts accomplish advancements.



STEM Focus

STEM is important to us to educate our Scouts, most activities have a specific STEM focus. You can also earn a NOVA!



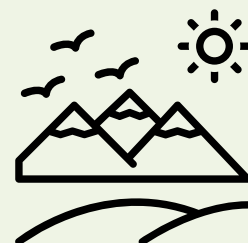
Purchase the Kit

Summer Camp Kits (and the expansion pack) can be purchased at:

<https://www.scoutingevent.com/312-2020CubScoutSummerCampKit>

Get Outdoors this Summer

This guide will help you to make the *MOST* of this summer and to get outside!



WHAT TO EXPECT

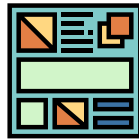
HOW TO GET THE MOST OUT OF THE SUMMER CAMP KIT

The Greater St. Louis Area Council is dedicated to bringing you a robust Scouting program during the summer of 2020. The summer camp kit & the expansion pack will walk you and your family through a wonderful Cub Scout outdoor program.



Expect To Get

- If you purchased a physical kit, you will get:
 - Jurassic Explorers Neckerchief (for tie-dyeing)
 - Printed version of this kit and all worksheets
 - Various activity supplies
 - Access to our virtual camp dens & camp staff
- If you did not purchase a kit, please enjoy this free PDF full of activities!
- Lots of STEM Activities
- Cub Scout Advancement
- Activities use commonly found household items (and supplies provided in your kit)
- Jurassic Explorers themed activities
- Do what's best for your family! If you only want to do a few activities from each section that is okay! Make this camp your own!



The Program

There are TWO activity sections in this expansion pack.

1. Paint Me Prehistoric
2. Backyard Safari

Virtual tours and videos:

- MORE How-to videos of select activities in this kit
- and more just for fun videos of our camp staff!

Supplemental materials and worksheets to keep Scouting this summer

These activities build upon the activities in the original summer camp kit – feel free to do them during one week or spread them across the summer!

Each Activity Section will list the advancements accomplished during that section. At the end of the guide, there is a total listing of all accomplished advancements (on page 15)



Virtual Videos

We know our camp staff is one of the best parts of summer camp!

- While there won't be any campfire chats with the expansion pack, there will be more videos uploaded to a Google Classroom!
- LOTS of video content from our camp staff
- Look for this symbol to see what activities will be on Google Classroom



- **Meet our Camp Staff on page 5!**





VIRTUAL CAMP STAFF & VIDEOS

With each purchased expansion pack, you will gain access to our Cub Scout Summer Camp Google Classroom and all of its virtual materials.

Once you purchase a kit, you will receive an invitation link to the Google Classroom with a code to join. The code will be emailed to you within 5 days of purchase. Use the code to access our video content!

There are *two* ways to utilize your virtual summer camp staff with the expansion pack:



Introduction to the Course and the Camp Staff

- Get to know your camp staff through a variety of fun videos!
- Learn about the summer camp kit and how to use Google Classrooms.



Videos for Each Activity Section

- There are pre-recorded videos for each activity section.
 - Step-by-step videos on how to complete one of the activities in that section.
 - When you see this icon, check out Google Classrooms for a video!



- Videos just for fun (such as a mud-cave tour, nature in the nature lodge, etc.)



The difference between the original summer camp kit and the expansion pack

- There is one big difference between the original summer camp kit and the expansion pack. There will no longer be any virtual campfire chats!
- But not to worry! There will still be **lots of pre-recorded videos** on Google Classroom with new videos being uploaded throughout the summer!



MEET YOUR CAMP STAFF



Noble Garrett Hudson

T 314-361-0600

E CampStaffGSLAC.Noble@gmail.com

Profile

- Eagle Scout that began Scouting as a Tiger
- OA Vigil Honor Nominee
- Summer Camp Staffer & Day Camp Staffer for 5+ years
- 90+ merit badges & 2 Supernovas

Fun Facts about Noble

- I climbed the Tooth of Time at Philmont 3 times in 3 weeks
- I have been a martial artist for 12 years
- I am a volunteer archivist for the Library of Congress
- I enjoy woodworking and hand carving hiking sticks
- I am definitely the most charming and intellectual brother



Luke Reagan Hudson

T 314-361-0600

E CampStaffGSLAC.Luke@gmail.com

Profile

- Eagle Scout that began Scouting as a Tiger
- OA Brotherhood
- Summer Camp Staffer & Day Camp Staffer for 3+ years
- 65+ merit badges & 3 Supernovas

Fun Facts about Luke

- I rallied an impromptu songfest at Philmont with 100+ Scouts
- I play 4 musical instruments that I learn more about daily
- I love flying and I am working towards my pilot's license
- I have been a martial artist for 10 years
- I am definitely the most charming and intellectual brother

ACTIVITY SECTION 1



Paint Me Prehistoric

BE PREPARED.

Supplies needed:

Easter egg (or two! Provided in kit)

Paint

Water

Plaster of Paris (provided in kit)

Kolam dinosaur worksheet

(provided in kit and on page XX)

Black marker (or pen or pencil)

Sandwich bag

Wax paper

Jurassic Explorers bandanna (provided in kit)

Two Kool-Aid packets (provided in kit)

Rubber bands (provided in kit)

Plastic grocery bag

Vinegar

Scissors

Pipe cleaners or craft wire (provided in kit)

Beads, rice, beans, etc. (provided in kit)

Cardboard tube (paper towel roll or similar)

Large, brown paper grocery bag

Salt

Glue

Food coloring (provided in kit)

THE ACTIVITIES.

1. Kool-Aid Tie Dye a Neckerchief!

- PROVIDED in your kit are two packets of Kool-Aid and a white bandanna with the Jurassic Explorers logo on it.
- Use these supplies to tie-dye the bandanna to use as a neckerchief with your uniform! Instructions on page 7!

2. Make a Rain Stick

- Use the instructions on page 7 to make your own rain stick!
- Get creative and make some music using common household supplies!

3. Kolam Art Dinosaur

- Kolam Art, also known as Rangoli, is one of the most popular forms of art in India!
- Using the instructions on page 8 and the Kolam Art Dinosaur worksheet provided in your kit (also on page 12), draw a unique pattern by connecting the dots and using glue and salt to "paint" your design!

4. Make Your Own Dinosaur Egg Sidewalk Chalk

- Get outside and make some sidewalk art! PROVIDED in your kit is an Easter egg and plaster of paris, make your own chalk!
- Instructions page 8

5. Create a Dinosaur

- Using the word tables on page 9, create your own dinosaur name and draw a picture of what it would look like.



ADVANCEMENT ACHIEVEMENTS

Lions:

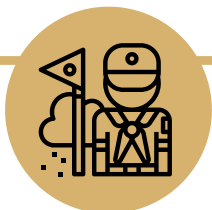
Tigers: Tiger Stories and Shapes 3

Wolves: Wolf Digging in the Past 2

Bears: Bear Beat of the Drum 3B; Bear A World of Sound 3

Webelos/AOL: Webelos Art Explosion 3E; Webelos Adventures in Science 3G

Wolves/Bears/Webelos/AOL: NOVA Fearful Symmetry Nova 3B (full NOVA requirements on page 15)





Paint Me Prehistoric



INSTRUCTIONS FOR KOOL-AID TIE DYE A NECKERCHIEF!

Activity From: <https://www.wikihow.com/Tie-Dye-a-Shirt-Using-Kool-Aid>

Supplies:

Gloves and old clothing to work in
Newspaper to cover your workspace
Two bowls for mixing the dye
Cold water
Vinegar

Jurassic Explorers bandanna (provided in kit)
Two Kool-Aid packets (provided in kit)
Rubber bands (provided in kit)
Plastic grocery bag

Step-By-Step:

NOTE: This should be done outside due to the mess, wear old clothing

- 1) Fill bowls with cold water halfway
- 2) Pour one packet of Kool-Aid in each bowl and stir until completely dissolved
- 3) Add one cap full of vinegar to each bowl and stir
- 4) Using rubber bands, pull and twist the bandanna to create a warped shape (see picture)
- 5) Dip rubber banded ends of the bandanna into different colors
- 6) When you're finished dipping the bandanna, place it into a plastic grocery bag and tie it airtight
- 7) Wait 24 hours before removing!
- 8) Hand wash and dry the bandanna, then enjoy your new neckerchief!



Check out this website for cool tie-dye patterns:

<https://www.parents.com/fun/arts-crafts/kid/tie-dye-with-kids/>



INSTRUCTIONS FOR MAKE A RAIN STICK

Activity From: <https://buggyandbuddy.com/how-to-make-a-rainstick-instrument/>

Supplies:

Cardboard tube (paper towel roll or similar)
Paint
Large, brown paper grocery bag
Yarn, optional

Rubber bands (provided in kit)
Scissors
Pipe cleaners or craft wire (provided in kit)
Beads, rice, beans, etc. (provided in kit)

Step-By-Step:

- 1) Paint your cardboard tube. If you want, paint it brown to resemble wood! Let it dry.
- 2) Cut two circles from a large, paper grocery bag. Crumble the paper to look soft and worn. Cut fringe on the outside of the circle.
- 3) Attached one circle to the end of the tube with a rubber band.
- 4) Twist pipe cleaners or craft wire and insert into the rain stick.
- 5) Insert beans, rices and/or beads into the rain stick.
- 6) Rubber band the other paper circle to the opposite end.
- 7) Decorate your rain stick with stickers and/or yarn tied at the end!



Paint Me Prehistoric



KOLAM ART DINOSAUR

Activity from: <https://theeducatorsspinonit.com/rangoli-craft-idea-for-kids/>
Check out the how-to video on Google Classroom!

Learn before you start:

- Kolam art, also known as rangoli, is one of the most popular forms of art in India!
- Kolam art starts with dots, and YOU make the art by connecting the dots in fun shapes and patterns!
- Rangolis are then created from these special patterns using flour, sugar or salt.
- These designs are used to decorate the ground of Indian homes throughout the world, but especially during Diwali time!
- Diwali is a celebration of the Hindu festival of lights, which symbolizes the "victory of light over darkness, and good over bad."

Supplies:

Kolam dinosaur worksheet (provided in kit & on page XX)
Black marker (or pen or pencil)
Sandwich bag

Salt
Glue
Food coloring (provided in kit)



Step-By-Step:

- 1) Using the kolam dinosaur worksheet, draw unique shapes and patterns to connect the dots
- 2) Place salt in ziplock bags and add two drops of food coloring. Shake the bag, coloring all of the salt. Make a few different colors of salt! Allow to dry before using
- 3) Apply a thin layer of glue in between your shapes and patterns, in between the lines
- 4) Sprinkle the desired color of salt onto the different areas
- 5) Add different colored salt to different areas, covering your entire design
- 6) Allow a few hours for it to dry and blow away any excess salt into the trash
- 7) Enjoy your kolam art!

INSTRUCTIONS FOR DINOSAUR EGG CHALK

Activity From: <https://www.playfullearning.net/resource/make-your-own-sidewalk-chalk-2/>

Supplies:

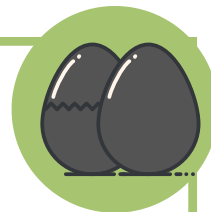
Easter egg (or two! Provided in kit)
Paint
Water
Plaster of paris (provided in kit)

Wax paper
Masking tape
Scissors

Step-By-Step:

NOTE: Feel free to make more than one color! But the instructions below are for one color, one egg.

- 1) Mix 2-3 tablespoons of tempera paint with 1/2 cup of water
- 2) Stir in 3/4 cup of plaster of paris
- 3) Line easter egg with wax paper and spoon mixture into the egg. To fill the entire egg, you can use a sandwich bag as a piping bag and fill the entire egg up through the hole in the egg, then prop up.
- 4) Use masking tape to tape egg shut (if needed) and wait for it to dry at least 12 hours, enjoy!





Paint Me Prehistoric



CREATE YOUR OWN DINOSAUR!

Activity from: https://www.yourlocalunitedway.org/sites/main/files/s36_dinosaur_name_game.pdf

Use three of the word roots from the tables below and put them together to make a plausible dinosaur name. Use the worksheet to describe your dinosaur and draw it!

Dinosaur Name:

What does your dinosaur's name mean?

Describe a few facts about the dinosaur you created:

Draw a picture of your dinosaur in the space below:

Table 1 (Basic Word List)

English	Latin	Greek	English	Latin	Greek
Colors			Size		
Black	atri-, nigri-	melano-	Dwarf	pumili-	nano-
Blue	cerule-	cyano-	Gigantic	ingenti-	colosso-
Green	viridi-	chloro-	Large	grandi-	macro-
White	albi-	leuco-	Short	brevi-	brachy-
Yellow	flav-	xantho-	Tall	proceri-, alti-	aepy-
Shape			Texture		
Curved		cyrto-, gampso-	Bare	nudi-	gymno-
Egg-shaped	ovate-		Bearded	criniti-	pogono-
Flat	plani-	platy-	Hairy	hirsut-	lasio-, trichodo-
Hollow	cavi-	coelo-	Rough	asper-	trachy-
Horned	cornut-	cerato-	Spiny	spini-	acantho-, echino-
Round	circuli-	cyclo-, gyro-	Wrinkled	corrugat-	rugos-
Numbers			Animal Parts		
One	mono-	uni-	Beak	rostr-	rhyncho-
Two	bi-, duo-	di-	Claw	ungui-	chelo-
Three	tri-	tria-	Foot	pedi-	podo-
Four	quadri-	tetra-	Head	capit-	cephalo-
Seven	septem-	hepta-	Tail	caud-	cerc-
Ten	decim-	deca-	Tooth	denti-	odonto-

Table 2 (Extension Word List)

English	Classic Root	English	Classic Root
Above	super-	Nose	rhino-
All	omni-	Opening	chasma-
Arm	brachio-	Outside	ex-
Back	dorsal-	Over	hyper-
Bird	ornitho-	Plated	stego-
Crooked	ankylo-	Pretty	compos-
Draw	graph-	Sharp	angusti-
Duck	anato-	Silver	argentums-
Face	ops-	Skin	derm-
Far	tele-	Slow	segno-
Fast, Speedy	veloci-	Star	astral-
Finger	datyl-	Thief	lestes-
First	proto-	Thunder	bronto-
Gold	aureus	Toes	phalangia-
Good Mother	maia-	Tongue	lingua-
Hot	thermal-	Top	acro-
Inside	endo-	Twin	stereo-
Jaw	gnathus-	Tyrant	tyranno-
Light	photo-	Under	hypo-
Lizard	saurus-	Water	aqua-
Many	poly-	Wing	pteyg-
Meat	carni-	Wooly	lana-

Table 1 words from *Dinosaur Names* by Munsart and Gundy, U.C. Berkeley

ACTIVITY SECTION 2



Backyard Safari

BE PREPARED.

Supplies needed:

Shoe box cover/cardboard/etc.

Items gathered in your yard

Glue

Bug jar (provided in kit)

Bean seeds (provided in kit)

Paper towel

Sandwich bag (provided in kit)

Tape

Food coloring (provided in kit)

Celery

THE ACTIVITIES.



1. Symmetrical Nature Collage

a. NOTE: Check out our how-to video on Google Classroom!

b. Grab a shoe box cover, a sturdy piece of cardboard, or an old picture frame

c. Gather items from your yard: leaves, twigs, mulch, grass, pine cones, flowers, etc.

d. Using glue, create a symmetrical picture with your items, meaning make sure it is "identical" on each side!

e. See the picture to the right for guidance >>



2. Backyard Bug Hotel

a. Utilize items in your backyard and your recycling for this activity!

b. See instructions on page 11

3. Seeds in a Bag

a. Using the seeds provided in your kit, hang them up in a window and watch them grow!

b. Instructions and observational journal on page 11

4. Rainbow Celery

a. Grab some celery at the grocery store and let's experiment!

i. Fill drinking glasses halfway full with water. Use different food colors for different glasses (one color is provided in kit)

ii. Cut long stalks of celery and place them in the colored water (leave the leaves!)

iii. Check the stalks every few hours. What do you notice?

b. Explanation: Plants need water to survive. They draw up water through capillaries (like a straw!) When you add color to the water, you get an opportunity to see this process!



ADVANCEMENT ACHIEVEMENTS

Lions:

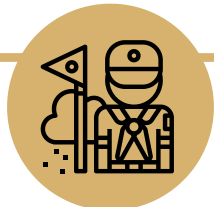
Tigers:

Wolves: Wolf Grow Something 1

Bears: Fur Feather and Ferns 5 & 7; Bear Super Science 4

Webelos/AOL: Webelos Into the Wild 1 & 4; Webelos Into The Woods 4

Wolves/Bears/Webelos/AOL: NOVA Fearful Symmetry Nova 2A (full NOVA requirements on page 15)



Backyard Safari



INSTRUCTIONS FOR BACKYARD BUG HOTEL

Activity From: <https://supersimple.com/article/bug-hotel/>

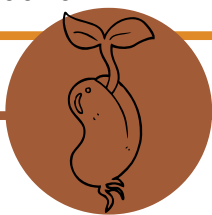
Supplies:

Bug jar (provided in kit)

Items gathered in backyard and/or recycling

Step-By-Step:

- 1) Gather your nature items around your backyard
- 2) Go through your recycling and see if you can use any of the materials, such as a bottle or paper rolls
- 3) Using those items, build your bug hotel, and get creative (you cannot mess it up!)
- 4) Find a place in your backyard for the hotel to live, check back every few weeks to see who moved in! Or gather some bugs to add to it.



INSTRUCTIONS FOR SEEDS IN A BAG

Activity From: <https://lifeovercs.com/germinating-seeds-bag-science-experiment-kids/>

Supplies:

Bean seeds (provided in kit)

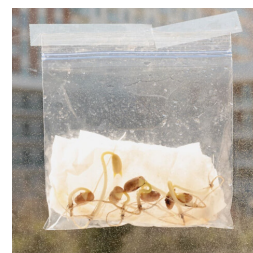
Paper towel

Sandwich bag (provided in kit)

Tape

Step-By-Step:

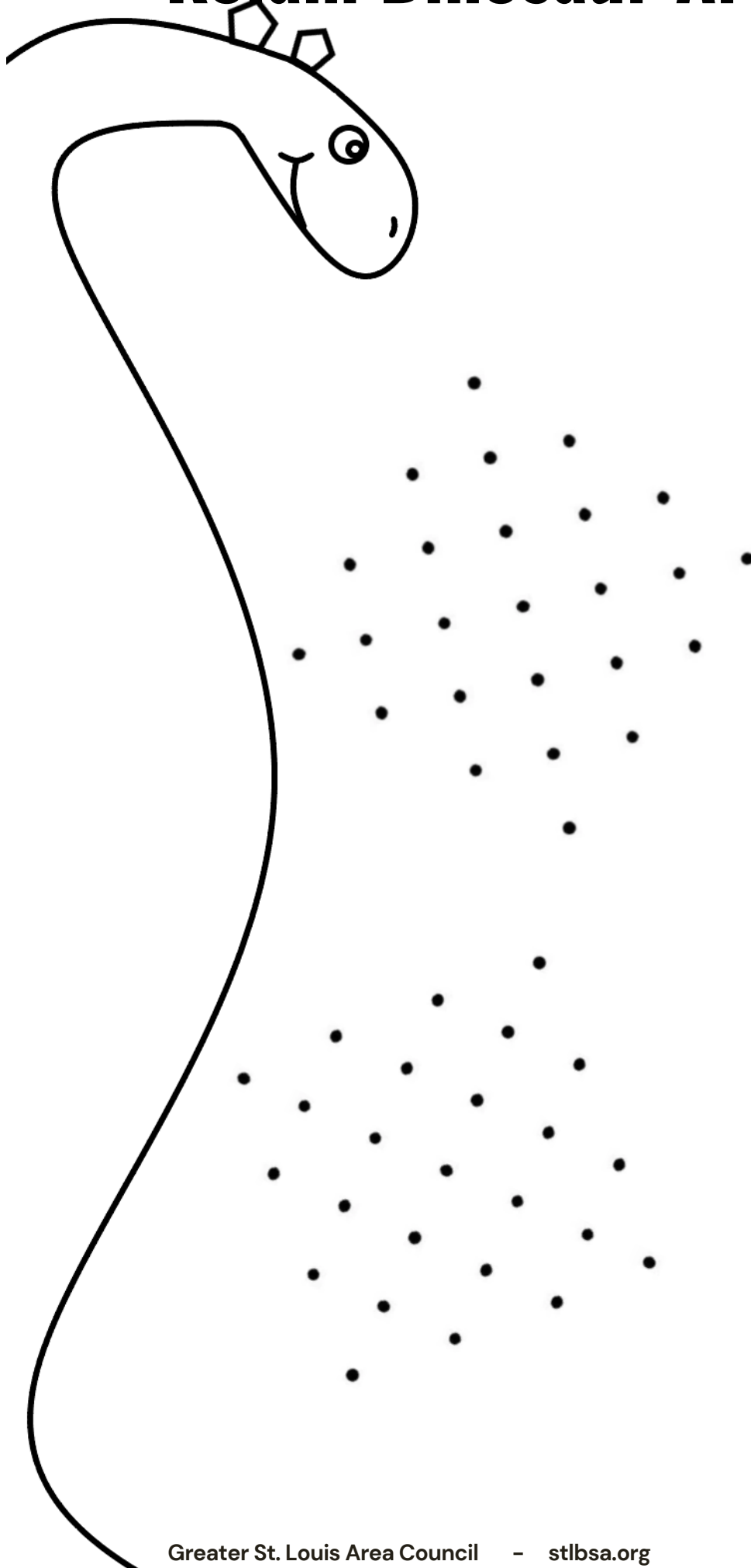
- 1) Soak 6-7 beans overnight in water
- 2) Drain the seeds before placing them in a bag
- 3) Dampen paper towel and fold it into the bag
- 4) Place the seeds on one side of the bag (not folded in towel) and seal bag tightly
- 5) Hang in a sunny window using tape
- 6) Wait 24 hours and you'll see the seeds start to pop open! Within 3-7 days they will be full sprouted!
- 8) After 7 days, feel free to move them to your garden or a small planter



At what day did you see sprouts?

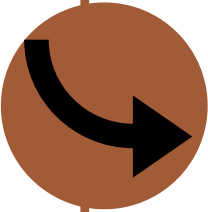
Draw a picture of the sprouted beans at day 1 and day 7:

Kolam Dinosaur Art



SUPPLEMENTAL MATERIALS

Additional Resources:



Thank you for following along with this summer camp kit. Below are additional websites to visit for more activities.

Watch the National Camp-In Coverage!

- Watch the recorded coverage of the Boy Scouts of America National Camp-In where a full day of fun virtual adventures happened!
- From camp-style cooking and friendly competitions, to special guests and campfire singalongs, this virtual event brought out the best parts of Scouting to life!
- <https://www.scouting.org/campin/>

PBS Dinosaur Games

- This site has lots of educational dinosaur computer games for your campers.
- <https://pbskids.org/games/dinosaur/>

Dinosaur YOGA with Cosmic Kids Yoga

- Have you heard of Cosmic Kids Yoga? They are a yoga studio on YouTube with follow-along yoga classes just for kids! This one is about Tiny the T-Rex!
- <https://www.youtube.com/watch?v=rnlDBKD2S78>

Dinosaurs for Kids on YouTube

- This education kids YouTube documentary is all about dinosaurs! Learn about extinction, fossils and dinosaur history!
- <https://www.youtube.com/watch?v=dktnOPfE7Dc>

Science Experiments for Kids

- This site is all about teaching science with super fun science experiments.
- <https://www.sciencekids.co.nz/experiments.html>

Educational Dinosaur Videos for Kids

- Can't get enough dinosaurs this summer? Learn about all kinds of dinosaur topics with these videos.
- <https://www.sciencekids.co.nz/videos/dinosaurs.html>

The American Museum of Natural History – Kid's Website for Dinosaurs

- Videos, games, and education brought to you by the American Museum of Natural History!
- [https://www.amnh.org/explore/ology/search/\(keyword\)/dinosaur](https://www.amnh.org/explore/ology/search/(keyword)/dinosaur)

Full List of Supplies



Here is a list of all supplies needed for all activities in this summer camp kit. In each activity section, you will also find the list of items needed for that set of activities. The items provided in the purchased physical summer camp kit are also listed.

Supplies:

Paint
Water
Black marker (or pen or pencil)
Sandwich bag
Wax paper
Plastic grocery bag
Vinegar
Scissors
Salt
Glue
Cardboard tube (paper towel roll or similar)
Large, brown paper grocery bag
Shoe box cover/cardboard/etc.
Items gathered in your yard
Glue
Tape
Paper towel
Celery

Supplies included in the purchased kit:

Jurassic Explorers bandanna
Bug jar
Kolam dinosaur worksheet
Plaster of paris
Easter egg
Two Kool-Aid packets
Rubber bands
Pipe cleaners or craft wire
Beads, rice, beans, etc.
Food coloring
Bean seeds
Sandwich bag

Full List of Advancements



If you completed this entire summer camp kit, below is the full list of Cub Scout Advancements covered:

Paint me Prehistoric:

Lions:

Tigers: Tiger Stories and Shapes 3

Wolves: Wolf Digging in the Past 2

Bears: Bear Beat of the Drum 3B; Bear A World of Sound 3

Webelos/AOL: Webelos Art Explosion 3E; Webelos Adventures in Science 3G

Wolves/Bears/Webelos/AOL: NOVA Fearful Symmetry Nova 3B (full NOVA requirements below)

Backyard Safari:

Lions:

Tigers:

Wolves: Wolf Grow Something 1

Bears: Fur Feather and Ferns 5 & 7; Bear Super Science 4

Webelos/AOL: Webelos Into the Wild 1 & 4; Webelos Into The Woods 4

Wolves/Bears/Webelos/AOL: NOVA Fearful Symmetry Nova 2A (full NOVA requirements below)

Fearful Symmetry NOVA

See full requirements below:

- 1. Read or watch anything related to symmetry, mirrors, or artistic patterns (about an hour total); write and discuss 2 questions from what you read or watched with your counselor.
- 2. Complete 1 Adventure from the list (separated by rank) OR complete Option A or B (all together)
 - Option A: Compare and contrast the symmetry of specific flowers, the leaf arrangements of specific trees, and other plants that show symmetry
 - Option B: Make models of the crystal structures of olivine and halite using toothpicks and marshmallows. Which two minerals is harder?
- 3. Explore: choose 2 from making a paper lantern, learning about kolam artwork of southern India, learning about litema wall decorations from Lesotho and South Africa, learning about the design of Navajo rugs, and learning about Seminole or Miccosukee patchwork designs
- 4. Visit a place where symmetry is important or a person who works with symmetry
- 5. Discuss with your counselor how symmetry impacts your everyday life