

# September STEAM Challenge: **SHARKS**

## Step 1: Think

Think about what you already know about sharks. Write down as many shark facts as you can. Next, write down a few questions you have about sharks.

### Here are some things to think about:

- What are some species of sharks?
- Where do sharks live?
- Do sharks have predators?
- What is the fastest shark?
- Are all sharks meat-eaters?

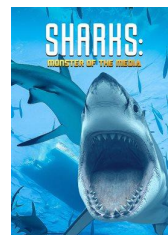


## Step 2: Find

Let's find out more about sharks! Use these LCPL resources to find the answers to your questions.

**Video:** Watch this month's STEAM Challenge video.

[Youtube.com/user/LakeCoPublicLibrary](https://www.youtube.com/user/LakeCoPublicLibrary).



**Movie:** View Sharks: Monster of the Media on Hoopla with your LCPL library card. (50 minutes, NR)

### **Article:**

- Go to [lcpin.org/all-research](http://lcpin.org/all-research).
- Scroll down and open ScienceFlix.
- Enter keyword 'shark' into the search bar.
- Read the article The Cartilaginous Fish

"The Cartilaginous Fish." . Scholastic Crolier Online, [go.scholastic.com/content/schgo/l/article/402/090/4020900.html](http://go.scholastic.com/content/schgo/l/article/402/090/4020900.html). Accessed 22 July 2020

Contact your local LCPL branch for more resources.

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## Step 3: Create & Explore

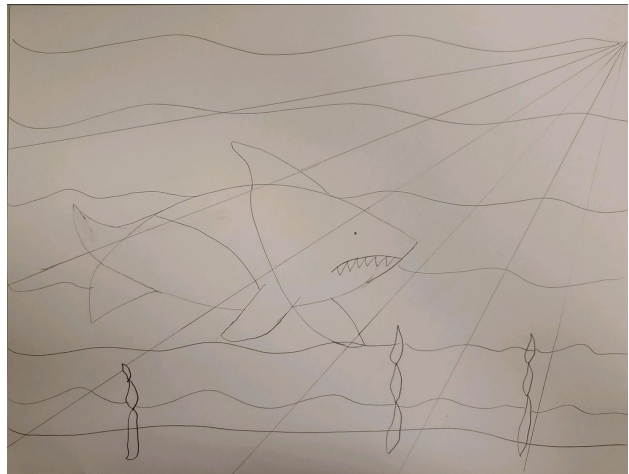
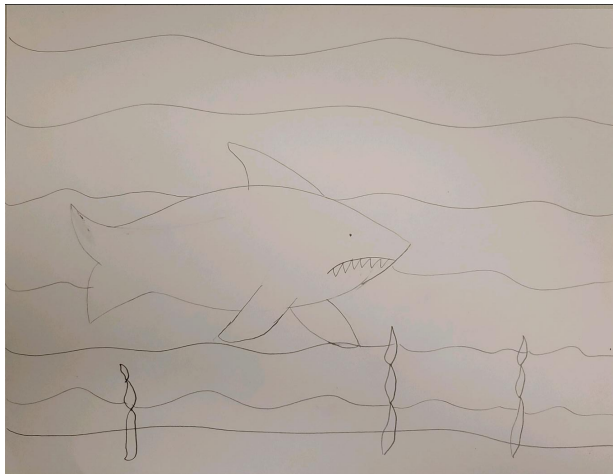
You will need:

- White paper (watercolor paper is great, but any white paper will do)
- School glue
- Permanent black marker
- Pencil & Eraser
- Ruler
- Watercolor paint
- Paintbrush

### Instructions:

1. Use a pencil to lightly outline your shark drawing. Try to keep the drawing simple. Add wavy horizontal lines to show the movement of the water.

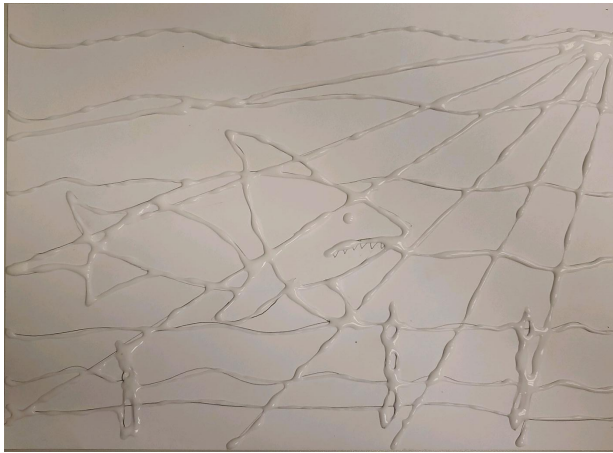
2. Use a ruler to add light rays: Draw straight lines arching out from one of the top corners. These lines will help break up your drawing into smaller sections. Add lines as needed to break up your painting, giving it a stained glass look.



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3. Trace over your pencil lines with thin lines of glue. Try to keep your glue lines thin and consistent. Young children might need help with this step. Allow your glue to dry completely (It's best to let it sit overnight.)



4. Trace over your glue lines with a black permanent marker. The glue lines will help to stop the paint from mixing, allowing you to put a different color in each section.



5. Use watercolor paint to fill your drawing with color! Try to slightly change the color of each section by mixing colors and using more or less water to make the colors lighter or darker.

6. Send us photos of your finished project and tell us what you learned at [kids@lcplin.org](mailto:kids@lcplin.org)!

