

**S**cience • **T**echnology • **E**ngineering • **A**rt • **M**ath

Suggested reading and **STEAM** activities from TMCPL are designed to provide children with learning opportunities that combine fun hands-on activities with experiences to promote early literacy.

The benefits of STEAM education include a lifelong love for learning, as well as the development of self-esteem, critical thinking, creativity, communication skills, and sensory use to explore, observe, and learn.

SUN	SCIENCE MONDAY	TECHNOLOGY TUESDAY	ENGINEERING WEDNESDAY	ART THURSDAY	MATH FRIDAY	SAT
1 <b>Read:</b> <b>So, You Want to be an Owl</b> By: Jane Porter	2 <b>Create</b> a game: Have 1 child be the mouse 1 child is the owl. Real owls can find a mouse 900 ft. away	3 <b>Learn</b> to identify owl sounds at <a href="http://www.audubon.org/news/learn-identify-five-owls-their-calls">www.audubon.org/news/learn-identify-five-owls-their-calls</a>	4 <b>Create</b> a viewer by cutting paper towel tubes in half and attaching to DIY owl mask or just use the tubes alone to view the world like an owl	5 <b>Draw</b> or paint a night woodland scene. Add a family of owls to your picture!	6 Owls can rotate their heads 270 degrees. Humans can turn their 180 degrees. What is the difference	7
8 <b>Read:</b> <b>If an Elephant Disappears</b> By: Lily Williams	9 The elephant's trunk can sense size, shape and temp of an object. Blind fold test your skills with various objects.	10 Turn on stereo or TV Place hand on top of a speaker and see if you can feel vibrations in your bone	11 <b>Design</b> a model habitat for a zoo elephant using household items. Include enrichment toys for – touch, sensory, and play	12 <b>Create</b> a collage elephant out of old magazine newspaper.	13 Some elephants are 10 ft. tall. Measure out 10 ft. mark it and see how many people it takes lying down to fill the length.	14
15 <b>Read:</b> <b>The Polar Bear</b> By: Jenni Desmond	16 Place ice water in large bowl. Start a timer and see how long your hand can last inside the cold water	17 <b>Create</b> a covering for your hand that will protect it from the cold. Try the experiment again. Did you last longer?	18 Redesign a leak proof and insulated hand protector. Try the experiment again. Was your time better?	19 <b>Make</b> a polar bear mask out of cardboard, construction paper, and markers	20 Find 5 true facts about polar bears	21
22 <b>Read:</b> <b>Everything Awesome About Sharks</b> By: Mike Lowery	23 Fill 3 balloon: (1) water, (1) dish soap, and (1) cooking oil. Place in a tub of water. Sharks have oil in their liver. What does that oil do for the shark?	24 Search for videos online on how sharks use electricity to find food	25 <b>Make</b> a pool of sharks out of Legos	26 <b>Draw</b> a shark – top and bottom jaw separate. Glue to a clothes pin to open and close sharks' mouth	27 Research how many types of sharks live in the ocean	28
29 <b>Read:</b> <b>Do Not Lick This Book</b> By: Ida Ben-Barak and Julian Frost	30 Place a small amount of glitter in your hand and rub your hands together, go about your day. Look around your house at the end of the day. This is how far germs can spread.	Why soap? Try this- sprinkle pepper in a bowl of water. dip finger into pepper water. observe. Now dip finger in dish soap and re- dip in pepper water. what happened? Look up surface tension on internet	<b>Design</b> an inviting hand washing area at your home with hand soap, lotion, towels and hand sanitizer	<b>Research</b> what different types of germs and viruses look like. Make 3-D models out of clay	<b>Count</b> to 20 slowly every time you wash your hands. That is the proper amount of time that kills most germs	