

Science • **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 Read: <i>Dinosaurs to Dodos</i> By: Don Lessem	2 Make a volcano: Dixie cup, baking soda, vinegar, dash of liquid soap, food color. Playdough for base	3 Make a stop motion film with your dinosaur toys. Free app on iPhone Stop Motion Film Studio	4 Make a dinosaur diorama with box, play dinosaurs, paper and glue	5 Make a Dodo bird out of clay	6 Make dinosaur egg out of homemade playdough and old coffee grounds. Add a toy Dino in center. Let air dry	7
8 Read: <i>Ocean Seasons</i> By: Ron Hirschi	9 Acidification: Dissolve a shell in vinegar: Glass jar, vinegar, shell. Renew vinegar on second day.	10 Ocean current: Fill a container halfway with cold water. Add blue food coloring and a cup of ice cubes. Mix red food color w/ hot water and pour in tub	11 Oil Spill: modeling clay, water, large container cooking oil, toy ocean animal cheesecloth/coffee filter, dish soap, spoon	12 Water color paint sea kelp through the seasons	13 Measure seashells. Categorize shells in likeness Find a recipe that uses mushrooms measure and make with an adult	14
15 Read: <i>Fungarium</i> By: Don Lessem	16 Mold: Bite a piece of bread or apple. Add a little water. Place in dark and in a baggie. Observe what grows	17 Make a telephone to replicate how fungi communicate. 2 disposable cups connected by yarn. Poke string through bottom of cup and tie.	18 Fungi bricks are now being used to build. Make a list of other natural objects that can be used for a different purpose	19 Make and paint mushrooms with self-drying clay	20	21
22 Read: <i>Super Santa the Science of Christmas</i> By: Tish Rabe	23 Make stained glass ornaments out of Jolly Ranchers placed in metal cookie cutter in oven 350 degrees. Watch until melts. Poke hole for string	24 Design/draw a new suit for Santa. Add gadgets that Santa could use to help him do his job!	25 Build a zipline for paper reindeer	26 Use ornaments to create a mandala design	27 Design a paper wreath using geometric designs and make with an adult	28
29 Read: <i>The Amazing World of Video Game Development</i> By: Denis Galanin	30 Static electricity: Rub balloons on hair or anything to create a charge. Place aluminum cans on floor. Move cans with static	31 Create your own video game at: https://scratch.mit.edu	Design and make your own board game. Including all the pieces and rules	Create your own video game characters		