Month of NOVA Challenge

Week 1: Science Everywhere Week 2: Cubs Scouts Can Code Week 3: Swing Week 4: 1-2-3 Week 5: Down and Dirty

Links ↓							
	1	2	3	4	5	6	7
Week 1	Watch or Read ONE HOUR about any Science topic	Teach an adult about the scientific method	Conduct a simple science project using the scientific method. Show an adult your results.	Talk to a scientist about why they got into science as a career.	Show how to orient a map. Find 3 landmarks on the map.	Show how a compass works. Build one out of a magnet and pin, if you have the supplies.	Pick a question to investigate, using the scientific method. Record your research and results.
	8	9	10	11	12	13	14
Week 2	Create a timeline important dates and photos of different computer designs.	Watch or Read ONE HOUR about Computers or Programming	Make a list of 10 things in your house that use computers.	Define what a computer is and talk with an adult about how computers have changed over time.	Be a programmer: Spend at least one hour coding and debugging instructions. Search "Coding for Kids"	Use playing cards to create a conditional game. Each card suit and value should have an action to do.	Teach your game and conditions to someone else.
	15	16	17	18	19	20	21
Week 3	WITH A PARENT - Take apart a broken household item. Identify the purpose of 5 parts.	Make a list or drawing of 3 types of levers. Show how each works and moves items, the class, and why we need it.	Watch or Read ONE HOURS about motion or machines	Draw or build a model of an invention or playground fixture that uses a lever.	Research places that use levers in their daily work. Make a plan to visit one in the future.	Make 3 weather instruments at home. Use them plus one more method to keep a weather journal.	Make predictions and record actual weather for a week in your journal. Compare to local meteorologists.
	22	23	24	25	26	27	28
Week 4	Talk with 4 adults about how they use measurements in their work.	Measure how tall someone else is & have them measure you. Use both inches and centimeters.	Calculate your weight on the moon, Jupiter, and one other planet.	Watch or Read ONE HOURS about Math or Physics	Calculate the volume of air in your bedroom.	Research about Cryptography - What are 3 wats secret codes, or ciphers, are made?	Design your own cipher Encode a message and let your counselor decode it.
	29	30	31				
Week 5	Research about a career in "earth sciences" What education does it require?	Tell an adult what geology means. Collect samples of three minerals from around the house.	Watch or Read ONE HOUR about Earth, Weather, Geology, Volcanoes, or Oceanography				

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Note

This calendar is designed to help your Wolf, Bear, or Webelos Scout complete some NOVA Award Requirements. Please contact your Council or District STEM Committee to get in touch with a registered NOVA Counselor and complete the remainder of the award.

Use proper safety precautions for hands-on activities. There are resources and ideas for most awards included in the requirements links at the start of each week. Extra Research is **HIGHLY** encouraged.