



Month of NOVA Challenge - Version 2!!

Week 1: Nova Wild Week 2: Tech Talk Week 3: Up and Away Week 4: Fearful Symmetry Week 5: Out of This World

Links ↓

Week 1

1	2	3	4	METEOR SHOWER!! 5	6	7
Watch or Read ONE HOUR about wildlife, endangered species, food chains, ecosystems, or habitats.	Make a weather station - Record rainfall, temperature, and air pressure for a whole week.	1) Make a water cycle poster. 2) Look up the local weather forecast. Review it with an adult.	1) Compare yesterday's weather to the forecast you read. Was it accurate? 2) Make a list of 3-5 endangered animals or plants in your state.	Have a star party with your family - Find and Draw 5 constellations. Use an app like Night Sky if you need help.	Figure out what animals and plants live in your local ecosystem. Draw a food web that includes one decomposer or scavenger.	Idea Link for a Virtual Zoo Tour
8	9	10	11	BONUS! 12	13	14

Week 2

Make a spreadsheet to collect and organize a list of your den or families favorite foods.	Watch or Read ONE HOUR about any thing related to technology.	Make a list of 10 things in your house that use a computer chip to function.	Research what a CPU, monitor, keyboard, mouse, modem, and printer are used for.	Emergency Preparedness Award: Practice your families home emergency plan. Check your home first aid kit.	NASA at Home Virtual Tech Tour	Research ways that technology is used in Communications, Business, Construction, Sports and Entertainment.
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Week 3

15	16	17	18	19	20	21
Calculate your terminal velocity on Earth and Mars. (See the Link to the left for suggestions)	Design, build, and test a parachute delivery vehicle. Use recycled materials and household items.	Watch or Read at least ONE HOUR about fluid dynamics.	Take a Wind Tunnel tour.	Look at your Pinewood Derby Car and think about how the airflow could affect it's speed.	Fold a paper airplane and fly it 5 times. Make changes you think will help it go further. Fly it 5 more trials.	Build a Balloon Power Boat or Sled. Test it in a sink or tub with different size balloons.

Week 4

22	23	24	25	26	27	BONUS! 28
Take a virtual Tour of an Observatory	Find pictures (or actual flowers) of a geranium and a periwinkle - Compare their leaf arrangements. Do the same for a maple tree and a sweetgum tree. Use these notes to compare two other plants.	Make a paper lantern (like a papersnowflake, but with 4 sides)	Watch or Read at least ONE HOURS about symmetry, mirrors, or artistic patterns. (Check out Zentangle Drawings)	Research Kolam/Rangoli art from India or Navajo Rug Designs. Design your own pattern in a similar style.	Take a virtual tour of an art museum - Look for symmetry and take notes.	Start tracking your outdoor activity for the ScoutStrong Award!

Week 5

29	30	31
Design a display for show 10 threatened, endangered or extinct animals in your state.	Compare the Orbit & Rotation of 3 other planets to Earth. Record how long the days and years are on those planets. Also record the distance from the sun and temperatures.	Watch or Read ONE HOUR about the planets, space, space exploration, NASA, or Astronomy.

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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.

