



Lincoln Heritage Council

Lincoln Trails District

Merit Badge University

STEM Opportunity



Point of Contact

District STEM Chair

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Lincoln Trail District is excited to offer the opportunity for interested Scouts to earn up to 3 Nova awards and potentially the Dr. Bernard Harris SuperNOVA award during a fun filled day of experiments and discovery.

Option 1: Morning session only, Scouts will only earn Let it Grow and Whoosh! They will not be eligible to earn the Dr. Bernard Harris.

Option 2: Both Morning and Afternoon session. Scouts will earn all 3 Nova Awards and the Dr. Bernard Harris (if pre-req MBs are complete).

Pre-Requisites: 9 hours of combined research, reading, or watching on the following topics:

- **Let it Grow:** Agriculture or farming
- **Whoosh!:** Engineering – motion or motion inspired technology
- **Shoot!:** Aviation, Weather, Space Technology, and/or projectiles
- **Dr. Bernard Harris SuperNOVA:** Scholarship MB
The STEM Counselor is also a MB Counselor for this MB, if a Scout needs does not have this MB please provide documentation for Requirements 1 and 5.

Nova Awards:

- Let it Grow
- Whoosh!
- Shoot!

Experiments and Discovery:

- Guest Agriculturalist speaker
- Satellite tracking
- Simple machines and use in everyday life
- Catapult challenge
- Chemical Reaction discovery
- Competing scientific theories
- Egg Drop competition

Pre-Req Merit Badges

Scouts should have at least ONE MB for each list

Let it Grow

Whoosh!

Shoot!

- Animal Science	- Gardening	- Archery	- Mining in Society	- Archery	- Shotfgn
- Cooking	- Insect Study	- Aviation	- Model Design and Building	- Astronomy	- Shooting
- Farm Mechanics	- Mammal Study	- Composite Materials	- Railroading	- Athletics	- Space
- Fish and Wildlife Management	- Nature	- Drafting	- Rifle Shooting	- Aviation	- Exploration
- Fishing	- Plant Science	- Electronics	- Robotics	- Game Design	- Sustainability
- Forestry	- Soil and Water Conservation	- Engineering	- Shotgun Shooting	- Rifle Shooting	- Weather
		- Inventing		- Robotics	

Disclaimer: This program is designed for Scouts who have a strong interest in STEM and also meet the pre-requisite merit badge requirements. While partial credit can be given, it will be up to the individual unit leader to monitor a Scouts MB progression to ensure they are awarded appropriately once the requirements are complete.