

Scout: _____



Wright Brothers Supernova Award

Second-Level Supernova Award for Venturers

<i>Option 1: For those who earned the Dr. Sally Ride Supernova Award as a registered Venturer</i>			
1. Earn the Dr. Sally Ride Supernova Award while a registered Venturer.			
Date			
2. Complete ONE additional Venturer Nova award for a total of four.			
Date		Award	
3. Using the guidelines found in the "Venturing STEM Explorations" chapter, complete FOUR of the topics (Table 1). The four topics must be different from those completed while working on the Dr. Sally Ride Supernova Award, for a total of eight different topics.			
Date		Topic 1	
Date		Topic 2	
Date		Topic 3	
Date		Topic 4	
4. Complete TWO additional Supernova activity topics, one each in the two STEM areas <i>not</i> completed for the Dr. Sally Ride Supernova Award.			
Date		Topic 1	
Date		Topic 2	
5. Participate in a 2 nd local, state, or national science fair or mathematics competition OR any other equally challenging STEM-oriented competition or workshop approved by your mentor. An example of this would be an X-Prize type competition.			
Date			
6. Working with your mentor, organize and present a 2 nd Nova awards or other STEM-related program at a Cub Scout den or pack meeting. If a Cub Scout den or pack is not available, your presentation may be given to another group.			
Date			
7. Research a scientific, technical, engineering, or mathematical breakthrough or invention of the past 100 years that has affected our society in a meaningful way. Develop your hypothesis on how this invention might further affect our society during your lifetime. Present either a 30-minute oral report or a 1,500-word written report to your mentor.			
Date			
8. Submit an application to the district or council Nova or advancement committee for approval.			
Date			

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Wright Brothers Supernova Award

Second-Level Supernova Award for Venturers

<i>Option 2: For those who earned the Dr. Bernard Harris Supernova Award as a registered Boy Scout</i>			
1. Earn the Dr. Bernard Harris Supernova Award while a registered Boy Scout.			
Date			
2. Complete ONE additional Venturer Nova award for a total of four. The Venturer Nova award completed should be different from the Boy Scout Nova awards previously completed.			
Date		Award	
3. Using the guidelines found in the "Venturing STEM Explorations" chapter, complete FOUR of the topics (Table 1). The four topics must be different from those completed while working on the Dr. Bernard Harris Supernova Award, for a total of eight different topics. Additional merit badges earned while a Boy Scout may not be used in lieu of the STEM explorations required for this award.			
Date		Topic 1	
Date		Topic 2	
Date		Topic 3	
Date		Topic 4	
4. Complete TWO additional Supernova activity topics, one each in the two STEM areas not completed for the Harris Supernova Award.			
Date		Topic 1	
Date		Topic 2	
5. Participate in a 2 nd local, state, or national science fair or mathematics competition OR any other equally challenging STEM-oriented competition or workshop approved by your mentor. An example of this would be an X-Prize type competition.			
Date			
6. Working with your mentor, organize and present a 2 nd Nova award or other STEM-related program to a Cub Scout den or pack meeting. If a Cub Scout den or pack is not available, your presentation may be given to another youth group.			
Date			
7. Research a scientific, technical, engineering, or mathematical breakthrough or invention of the past 100 years that has affected our society in a meaningful way. Develop your hypothesis on how this invention might further affect our society during your lifetime. Present either a 30-minute oral report or a 1,500-word written report to your mentor.			
Date			
8. Submit an application to the district or council Nova or advancement committee for approval.			
Date			

Table 1 These STEM exploration topics are approved for earning the Venturer Supernova awards

Animal Science	Electronics	Pulp and Paper
Archaeology	Energy	Radio
Architecture	Engineering	Robotics
Astronomy	Farm Mechanics	Scholarship
Chemistry	Geocaching	Scuba Diving
Composite Materials	Geology	Space Exploration
Computers	Medicine	Surveying
Dentistry	Nuclear Science	Veterinary Medicine
Drafting	Oceanography	Weather
Electricity	Plant Science	Welding