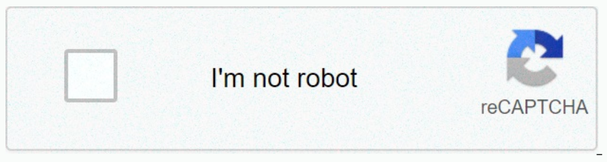

Continue

Boy scout merit badge requirements space exploration

This week, please work on requirements 5 and 6.5. Do the following:Using magazine photographs, news clippings, and electronic articles (for example, from the Internet), create a clipping album on a current planetary mission. Design a robotic mission to another planet, moon, comet, or asteroid that will return samples of its surface to Earth. Call the planet, moon, comet, or asteroid you'll visit your spacecraft. Show how your project will address the conditions of planet, moon, comet, or asteroid environments.6 Describe the purpose and operation of ONE of the following:a. A manned orbital vehicle, owned by the government (U.S. or foreign) or commercial.b. The International Space StationFor requirements 5 a., PowerPoint, Keynote, Google Slides, Prezi or a similar product would be a great way to complete this project. You can then email it to Mr. E3 ericksonj@icloud.com PLUS ANOTHER ADULT (a parent or other troop leader). If you want to work on paper, you can scan or photograph your work and email it. For part b. think of all those problems that will arise in space travel; reach the planet/moon/comet/asteroid, how big a rocket you will have to return, how you will protect your astronaut from the solar wind, lack of air to breathe, lack of water, extreme temperatures, etc. What will you need to collect a sample? A shovel, balloon, cup, ice pickaxe, chisel, vacuum, etc. Let your mind wander and try to think about all the challenges! This is the Mer (Spirit and Opportunity rovers) video that takes off and lands is how OSIRIS REx works it's a page with lots of NASA missions to choose from nationality s space travel Space Flight page finally, the Astronomy Picture of the Day apod.nasa.gov Good luck and let us know if you have any problems Mr. E3 Welcome to the space exploration home page. This website provides all the information you need to complete the Boy Scout Space Exploration Merit Badge, along with links to additional useful or entertaining information. On this page you will find the requirements for the merit badge, listed below. For every need there are links to my pages, or to nasa pages or others, that provide you with the information you need to complete the requirement. This badge of merit is too good for words. Launch your rocket, one that will built on your own, it's so much fun that you could become addicted. There's a lot of research to do - and the more you learn the more interesting it becomes. This website will make it much easier to get started, and once you start, you don't want to stop. Stop talking. Talk. and let's go! LAUNCH INTO REQUIREMENTS Updated for 2014 requirements! Tell the purpose of space exploration and include the following: Historical reason Immediate goals in terms of specific knowledge Benefits related to Earth's resources, technology and new products International relations and cooperation Go To Reasons for Space Exploration Design a collectible paper, with an image on the front and information on the back, about your favorite space pioneer. Share your card and discuss four other space pioneers with your advisor. Go to Pioneers of Space Travel Go to the history of space exploration Go to the Time Go To NASA History Page for Human Space Flight Build, launch, and recover a model rocket space exploration line. [1] Make a second launch to achieve a specific goal. (Rocket must be built to meet the National Association of Rocketry security code. See the Model Rocketry chapter of the Space Exploration Merit Badge Booklet) Identify and explain the following parts of the rocket. Body tube Engine mount Fins Igniter Launch lug Nose cone Payload Recovery System Rocket Engine Go To The Flight of the Rocket Go To Model Rocket Assembly Go To National Association of Rocketry: Model & High Power Rocketry Go To NAR -- Model Rocket Safety Code Go To Altitude Estimation Go To Rocket Launch Checklists Go To Glossary of Model Rocketry Discuss and each demonstrate the following : The Law of Reaction to Action How Rocket Engines Work How Do Satellites Work How Do Satellite Images of Earth and Images of Other Planets Go To Newton's Laws Go To Rocket Propulsion Go To How Orbits Work Go To How Fast Is Fast? Go to Satellite Pictures Do TWO of the following: discuss with your advisor a robotic space exploration mission and a historical manned mission. It tells the main discoveries of each mission, its importance and what has been learned from it on the planets, moons or regions of space explored. Using magazine photographs, news clippings, and electronic articles (as from the Internet), he creates an album of clippings on a current planetary mission. Design a robotic mission to another planet or moon that will return samples of its surface to Earth. Call the planet or moon you'll visit your spaceship. Show how your project will deal with the environment conditions of the planet or moon. Go to JPL missions reference to unmanned missions Go to NASA's history page for human spaceflight Go to the apollo project archive reference on apollo missions on the moon Go to solar system views Go to how to design your spacecraft Describe the purpose and operation of one of the Space Shuttle or any other manned orbital vehicle, whether government-owned (U.S. or foreign) or commercial international space station Go to the Space Shuttle Go shuttle flights to Date Go To International Space Station Diagrams Go To NASA's NASA's Space Station home page Design a inhabited base within our solar system, such as Titan, asteroids or other places that humans may want to explore in person. Create drawings or a template of your base. In your project, consider and plan the following: Energy Source How Life Support System Will Be Built Purpose and Function Go to How to Design Your Spacecraft Go to NASA's Vision for Space Exploration for Plans for Lunar and Martian Bases. Discuss with your advisor two possible careers in space exploration that interest you. Learn about the qualifications, education and preparation required and discuss the main responsibilities of these positions. Go to NASA's Career Notes 1. If local laws prohibit the launch of model rockets, do the following: Create a NASA rocket model. Explain the functions of the parts. Give the rocket story. Thank you for visiting! Questions Your questions and comments on this page are welcome. You can email Randy Culp for inquiries, suggestions, new ideas, or just to chat. And -- hey! We have to be careful out there. With all the wild viruses flying around, you'll have to put more than Hello! in the object or you will come up with a virus. Ask something like Space Exploration Question, so I know you're real. Troop 93, Potowatami Council, New Berlin, Wisconsin Tripoli #6926 Updated April 7, 2019 About Randy Culp Stargazing Astronomy Tour of the Night Sky For Space Exploration Counselors This website in a zip You can download a zipped version of this entire space exploration site by clicking here. This can really help if you show up to a group to get the no-launch requirements. Janauary 2020 Tells the purpose of space exploration and include the following: historical reasons, immediate objectives in terms of specific knowledge, benefits related to Earth's resources, technology and new products, international relations and cooperation. Design a collectible card, with an image on the front and information on the back, about your favorite space pioneer. Share your card and discuss four other space pioneers with your advisor. Build, launch, and retrieve a model rocket.* Make a second launch to achieve a specific goal. (Rocket must be built to meet the National Association of Rocketry security code. See the Model Rocketry chapter. Identify and explain the following parts of the rocket: Body tube Engine mount Fins Igniter Launch lug Nose cone Payload Recovery system Rocket engine Discuss and demonstrate each of the following: The law of reaction to action How rocket engines work How satellites work How images are made and transmitted of Earth and images of other planets Do TWO of the following operations: Discuss with your advisor a robotic space exploration mission and a historical manned mission. Talk about every mission mission discoveries, its importance and what has been learned from it on the planets, moons or regions of space explored. Using magazine photographs, news clippings, and electronic articles (as from the Internet), he creates an album of clippings on a current planetary mission. Design a robotic mission to another planet, moon, comet, or asteroid that will return samples of its surface to Earth. Call the planet, moon, comet, or asteroid you'll visit your spacecraft. Show how your project will address the conditions of the planet', moon, comet, or asteroid environments. Describe the purpose and operation of ONE of the following: Space shuttle or any other manned orbital vehicle, be it government-owned (U.S. or foreign) or commercial International Space Station Design an inhabited base within our solar system, such as Titan, asteroids, or other places that humans may want to explore in person. Create drawings or a template of your base. In your project, consider and plan the following: Energy Source How Life Support System Will Be Built Purpose and Function. Discuss with your advisor two possible careers in space exploration that interest you. Learn about the required qualifications, education, and preparation, and discuss the main responsibilities of those locations.* If local laws prohibit model rocket launch, do the following: Create a NASA rocket model. Explain the functions of the parts. Give the rocket story. Space Exploration Worksheet Follow Me, Scout Scouts