

## Science Camp 2008 Confirmation and MB Pre-Requisites Letter

Dear Science Camper and Parents / Guardians,

You have successfully registered for Science Camp 2008 and are enrolled for the following Merit Badges:

Scout :

Merit Badges: Electricity, Space Exploration, Railroading, Nature, Electronics, Astronomy

The adult volunteer staff provisional leaders and merit badge counselors have been planning for this camp since last September. This will be the 11th year of Science Camp, with more opportunities to earn select science related Merit Badges offered. Again this year we are offering the Radio Course where the scouts can study and earn their Amateur Radio License as well the Radio and Electronics merit badges.

In order to prepare for your merit badges, we need you to complete these pre-requisites as outlined below for each merit badge before coming to camp. Each pre-requisite should only take an hour to do, and each should fit on 1-2 sheets of typed paper. Please put *your* name and the merit badge name on the top of each sheet of paper. Please ensure that you use separate sheets of paper for each merit badge. You are expected to acquire and read through the merit badge booklets for the merit badges you have been scheduled to attend. These booklets will help you complete the pre-requisites as well as help during the camp week. The booklets can be purchased at the Council Store for a nominal cost or please check with your Troop's Librarian, the troop may have a copy you can borrow and return. Please ensure that your troop's copy is the latest revision. You will not be able to complete registration without presenting your completed pre-requisites to the registering volunteer.

This year we are offering the Fire Safety merit badge as a bonus badge that all the scouts in camp can earn. The requirements (other than the pre-requisites) will be accomplished on an evening when all can participate. If you have an interest in earning this merit badge please complete the pre-requisite requirements before coming to camp.

A first-class uniform is **required** and should be worn to check-in. The Parent's Guide for camp can be downloaded at [www.sarmbc.com](http://www.sarmbc.com) if you have online access. If you do not have internet access and would like the Parent's Guide please call the Chester County Council BSA office at 610-696-2900 and ask for extension 25 or leave a message for myself at 484-883-1200.

Remember the **Scout Oath** and **Scout Law** during your stay at Science Camp! Following those will enable the volunteers and Camp staff to provide an excellent experience for all. Infractions will be dealt with and penalties may include expulsion from Camp and the forfeiture of all badge work.

Yours in Scouting,

Chuck Coggins 2008 Science Camp Co-Director

## 2008 Science Camp Radio Course Merit Badge Pre-requisites

### Radio Course (Radio and Electronics MB)

-Acquire and read the Radio and Electronics MB booklet.

Bring a three ring notebook with notepaper

Draw the spectrum chart from the radio MB pamphlet. Note where your favorite Radio and TV Stations are located on the chart.

Peruse the website [www.hello-radio.org/whatis.html](http://www.hello-radio.org/whatis.html) . Bring a list of five questions you have after looking at the site.

## 2008 Science Camp - Science Course Merit Badge Pre-requisites

### Electronics Merit Badge:

- Acquire and read the Electronics Merit Badge booklet

Complete Requirement #6. Find out about three career opportunities in electronics that interest you. Discuss with and explain to your counselor what training and education are needed for each position.

### Electricity Merit Badge:

- Acquire and read the Electricity Merit Badge booklet.

Complete Requirement #2 (electrical safety inspection of your home) using the checklist starting on page #50 of the pamphlet. Come to camp prepared to discuss your findings.

### Railroading Merit Badge:

- Acquire and read the Railroading Merit Badge booklet.

1) Go on-line and find information about how a steam locomotive works and operates. Provide a 1-page description of how the drive train works, how steam is generated and travels through the locomotive, and what fuels they used. This should be easy and make our field trip more fun!

2) Complete Requirements 1a, 1b, 1c, and 8.4 (print 1-2 pages maximum) from the Railroading Merit Badge book.

3) Optional...you have a family member or family friend that worked or still works for a railroad interview them and share their experiences with all of the Scouts! If your friend or relative would like to personally share their experiences with the Scouts they would be welcome to join us for a day!

### **Astronomy Merit Badge:**

- Acquire and read the Astronomy Merit Badge booklet.

Complete Requirement # 10 - List at least three different career opportunities in astronomy. Pick the one in which you are most interested and explain how to prepare for such a career. Discuss with your counselor what courses might be useful for such a career.

### **Space Exploration Merit Badge**

- Acquire and read the Space Exploration Merit Badge booklet.

Complete Requirements 2, 5b, 5c, and 7.

There will be a prize for the best model of the international space station.

### **Nature Merit Badge**

- Acquire and read the Nature Merit Badge booklet

Complete Requirement 4a2 - Make and set out a birdhouse OR a feeding station OR a birdbath. List what birds used it during a period of one month.

### **Bonus Merit Badge - Fire Safety Merit Badge**

- Acquire and read the Fire Safety Merit Badge booklet.

Requirement #6 - Conduct a home safety survey with the help of an adult. Then do the following  
a) Draw a home escape plan, create a home fire drill schedule, and conduct a home fire drill.

Requirement #12 - Choose a fire safety-related career that interests you and describe the level of education required and responsibilities of a person in that position. Tell why this position interests you.