



**CARNEGIE SCIENCE CENTER**  
*One of the four Carnegie Museums of Pittsburgh*

## Junior Girl Scout Badge requirements that you can meet at Carnegie Science Center

### Aerospace

1	Paper Airplanes	Visit the Paper Airplane table in SciQuest to build three different models of planes.
4	Think Sky High	Visit the Buhl Digital Dome or the SciQuest gallery to learn more about flying.
8	Space Flight Spinoffs	You can find freeze-dried astronaut ice cream for sale in the XPLOR Stores!

### Science Discovery

7	It's a Hands-On, Happening Place	Visit Carnegie Science Center for a field trip or Science Sleepover.
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### Science In Everyday Life

6	Color Mixing	Find the giant light bulb in SciQuest on the 1 <sup>st</sup> floor to complete this activity.
9	The Key, Please	Observe the organisms that live in the SeaScape aquariums. Use a field guide to identify the different kinds of fish and invertebrates.

### Science Sleuth

6	Water Questions	Visit the water table in Exploration Station on the 4 <sup>th</sup> floor to complete these activities.
8	Seeing the Light	Visit the light and waves section of the SciQuest exhibit on the 1 <sup>st</sup> floor to experiment with different kinds of light.

## Oil Up

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| 2 | Fossil Facts | See the show "Power Planet" in the Works Theater on the 4 <sup>th</sup> floor to chart the history of fossil fuels. (Available November 2007) |
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## Sky Search

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| 1  | Mapping the Skies  | Pick up a star map at the entrance to the Buhl Digital Dome and/or attend a SkyWatch session on a Saturday night.                           |
| 2  | Constellations     | See the show "Stars Over Pittsburgh" in the Buhl Digital Dome to learn how to find common constellations in the western Pennsylvania skies. |
| 6  | Tools of the Trade | Attend a SkyWatch session at the Buhl Observatory on a clear Saturday night to learn about different kinds of telescopes                    |
| 10 | Mission: Space     | There is lots of information about current space missions on the monitors outside the Buhl Digital Dome.                                    |
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## Water Wonders

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| 1 | It's in a Cycle     | Check out the water cycle station on the 4 <sup>th</sup> floor  |
| 2 | The Water You Drink | Check out the water cycle station on the 4 <sup>th</sup> floor  |
| 4 | Life Underwater     | Visit the SeaScape aquarium on the 3 <sup>rd</sup> floor and other aquatic animals on the 4 <sup>th</sup> floor. Ask the staff about the different adaptations that help these animals survive. |
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## Weather Watch

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| 2 | Visit a Weather Station | Visit the Weather Station on the 4 <sup>th</sup> floor to practice your own weather forecast. |
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### Money Sense

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| 1 Troop Budget | Develop a troop budget including expenses such as, equipment, supplies, trips and other activities. Include a trip to the Science Center in your plan. Determine the cost and how long it will take to earn the money. |
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### On My Way

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| 6 Plan for a Day | Plan your day trip to Carnegie Science Center following the directions for this activity. Discuss your visit with your troop. |
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### Traveler

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| 2 Promote a Place | Write or call Carnegie Science Center to get a brochure. Share the brochure with your troop or family. Do they want to visit? |
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### Local Lore

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| 7 Take a Trip | Visit the Miniature Railroad & Village at Carnegie Science Center, which features scale replicas of real buildings in western Pennsylvania. Ask the guides at the Miniature Railroad for the stories behind the buildings. |
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### Puzzlers

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| 2 Crossword Puzzle | Make up your own crossword puzzle with words about the Science Center. Use information you learned at Carnegie Science Center to help you write clues. |
| 8 Scramble         | Make a word scramble using the words that you found throughout Carnegie Science Center.  |
| 9 Word Search      | Make up a word search using vocabulary found throughout the science center.  |
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### **Write All About It**

- 10 Good News Write a news article about your experience at Carnegie Science Center. Submit your article to your local paper for publication.
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### **Architecture**

- 4 Conserving Energy Visit the Building Green exhibit on the 4<sup>th</sup> floor to learn about energy-saving technologies.
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### **Globe-Trotting**

- 2 Toot Your Own Horn Make a poster, travel brochure or presentation that highlights why someone from out of town would want to visit Carnegie Science Center.
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- 5 Be Aware, Be Prepared Stop by the tornado tables in the SciQuest gallery to complete this activity.
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### **Let's Get Cooking**

- 2 When in Doubt, Throw It Out Visit the Kitchen Theater on the 3<sup>rd</sup> floor for the show "Food Factor" to learn about healthy and unhealthy bacteria in your kitchen.
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- 5 The Perfect Egg "Meringue Madness" in the Kitchen Theater on the 3<sup>rd</sup> floor can teach you all about the miracles of egg white protein chemistry.
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### **Adventure Sports**

- 10 Climb the Walls Try your hand at rock-climbing at SportsWorks.
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**Wildlife**

2 It's All in the Details Visit one of the animals in SeaScape on the 3<sup>rd</sup> floor or the animal habitats on the 4<sup>th</sup> floor to practice sketching, drawing or photographing animals.

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10 How Was Your Day? Choose an aquatic animal in the SeaScape aquarium to observe. Watch the animal for a while to answer the questions in the activity.

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