

Scouts BSA Astronomy Merit Badge Schedule 8/30-9/1		
	Friday 8/30	
Evening	Arrival, get set up in the bunkhouse, or set up camp	
Saturday 8/31		
	Group 1	Group 2
8:00:00 AM	Breakfast (Cafeteria)	
9:00:00 AM	Welcome and intro to weekend; safety (#1)	
9:15:00 AM	Intro to the 40 Foot	
10:00:00 AM	Tour (#8a)	40 Foot (#3c,d)
11:00:00 AM	40 foot Lesson (#3c,d)	Tour (#8a)
12:00:00 PM	Lunch /Exhibit Hall (# 8a)	
1:00:00 PM	Starlab (#4a,c)	RFI Detective (#2)
1:50 PM	RFI Detective (#2)	Starlab (#4a,c)
2:40:00 PM	Starwheels	
3:10:00 PM	Stellarium Intro (#4b,c, #5, 6b)	
4:30:00 PM	The Sun (#7)	
5:00:00 PM	Supper	
8:45:00 PM	Star Party on the Star Party Patio (#4a-4c)	
On your own	1. Observe at the 40 Foot – small groups (#3b and c), 2. Classroom: Moon sketch (#6a) 3. Classroom: Learn how a refracting telescope works by taking apart and reassembling the cardboard tube telescopes. While you are doing this, keep in mind, that this device is very similar to (but probably better than) the one Galileo used to make his earth shattering discoveries back in the early 1600s. (# 3a) 4. Finish up earlier activities	
Sunday 9/1		
8:00	Breakfast and Pack up Bunkhouse	
9:00	40 Foot Data Debrief	
9:45	GBT Control Room Tour (#9)	
10:30	Moon Phases in the Auditorium (#6c-6d)	
11:30	Badge book completeness check	

# **Girl Scout Merit Badge Weekend April 2025**

## **Friday 4/25**

### **Arrival**

Get set up in the bunkhouse, explore the exhibit hall, explore the site, etc. We will leave the exhibit hall in the Science Center on for your group. The group leaders bunkhouse keys will have a keycard that allow access into the Science Center after hours.

## **Saturday 4/26**

**8:00:00 AM** Breakfast (Cafeteria, across from the bunkhouse)

**9:00:00 AM** Intro to the weekend and the 40 ft telescope (Science Center Auditorium)

### **Group 1**

### **Group 2**

**10:00:00 AM** Down the 40 ft!

Site Tour

**11:00:00 AM** Site Tour

Down to the 40 ft!

**12:00:00 PM** Lunch

**1:00:00 PM** Starlab (Starlab Classroom)

RFI Detective (Classroom)

**1:50:00 PM** RFI Detective (Classroom)

Starlab (Starlab Classroom)

**2:40:00 PM** Starwheels (Classroom)

**3:10:00 PM** Break - bathroom, gift shop, etc.

### **Juniors**

### **Cadettes**

**3:30:00 PM** Circle the Sun (Computer Lab)

IR Camera (Exhibit Hall)

**4:00:00 PM** Exhibit Hall/Free Time

Diffraction Glasses (classroom)

**5:00:00 PM** Dinner

**Onwards (on your own):** Collect data at the 40 ft, explore the site, hiking, stargazing, etc

## **Sunday 4/27**

**8:00:00 AM** Breakfast (Cafeteria)

**9:00:00 AM** Data debrief (Classroom)

**10:00:00 AM** GBT Control Room Tour

**11:00:00 AM** Badge Book completeness check

~ by noon

Goodbye we will miss you!



## **Scouts BSA Electronics Merit Badge Weekend**

### **Saturday 12/07**

8:00 AM: Breakfast (Cafeteria)

9:00 AM: Intro to the badge/Sticker circuits (#1) - Science Center Classroom

10:00 AM Resistors, Capacitors and Transistors (#2)

11:30 PM Binary & Digital Electronics

12:00 PM Lunch + Gift Shop Break

1:00 PM Good Soldering Technique/kit intro/diagnose problems #3

2:00 PM Tour

3:00 PM Group 1: Soldering (#4), Group 2: Exhibit Hall

4:00 PM Group 1: Exhibit Hall, Group 2: Soldering (#4)

5:00 PM Supper

Also on your own in the evening: We will have a star party on the patio beside the science center and an indoor activity. Please join us around 6!

### **Sunday 12/08**

9:30 AM: Ohm's Law (#5)

10:00 AM: Electronics Lab tour (#5, #6)

11:00 AM Review progress, Q/A, AM Check badge books for completeness