

# Science Camp #180701.9

01-05 July 2018 @ Dr. Scott Bowman's Cabin in  
Buena Vista, Colorado, and surrounding area

## Advisors

H. Roice Nelson, Jr., Andrea S. Nelson,  
Paul F. Nelson, Jared & Melanie Wright, Rob Nelson

## Attendees

Ethan E. Nelson, Grant M. Nelson, Colby C. Wright,  
Taylor R. Wright, Ella D. Nelson, Halle N. Wright,  
Bobbi Sophia Waldron, Dallin Spencer Nelson,  
Avalyn Ashby Wright, Isabella Waldron, & Quentin M. Nelson  
Guest: Kendall Joyce Wright

# Past Science Camp Themes & Sites Visited

1. Nelson Cabin, Fishing, Condensation, Water Coloring, and Music
  1. Nelson Cabin
  2. Panquitch Lake
  3. Swimming at Cedar City Aquatics Center
2. Mining Range, Frisco, Silver Reef, Iron Town, Astronomy at Frisco Peak, Archery
  1. Nelson Cabin, Kolob Reservoir, Silver Reef, Snow Canyon, Volcano
  2. Parowan Gap, Rack Range Mines, Frisco, Frisco UU Telescope
  3. Iron Mine, Iron Town
3. Geocaching, Mammoth Cave, Cascade Falls, and Cedar City Cemetery
  1. Nelson Farm, Fiddler's Canyon,
  2. Boys to Mammoth Cave, Cascade Falls and Girls to St. George and Pottery Making
  3. Cedar City Cemetery
4. Volcanoes, Classy Closets, Maps, Surveying, Sand Painting, and Genealogy
  1. Condo, Snow Canyon Volcanoes, Classy Closets, Fiddler's Canyon
  2. Nelson Farm to survey, Nelson Cabin
  3. Cedar City 24<sup>th</sup> of July Parade
5. Patterns, Horse Riding, Internet, Be-a-man-campout
  1. Dust Devil Ranch, InfoWest, Fiddler's Canyon
  2. Nelson Cabin
  3. Cedar City July 4<sup>th</sup> Parade
6. Music & Spoken Word, SilencerCo, Indian Tribes & Archaeology, Solar Astronomy
  1. Family Discovery Center, Sophie & Dallin's Baptism, SilencerCo, Music & Spoken Word, UU Science Museum
  2. Freemont Indian Museum, Boulder Anasazi Ruins, Escalante Petrified Forest, Bryce Canyon
  3. Parowan Gap, Solar Astronomy, Nelson Cabin, Uncle Des' & Aunt Sara's, Swimming
7. Rock Cutting, SUU Museum, Computer Hardware and Software, Cabin
  1. 1<sup>st</sup> Annual Fun Run / Walk, rock collection Bloody Ridge, rock cutting and polishing
  2. HTML at SUU, and Lego Robots at Nelson Cabin
  3. Astronomy at Nelson Cabin, Bottle Rockets, and having a good time
8. 8G: Geography, Genetics, Genealogy, Grandma, Grandpa, Geology, Geophysics, & Guitar
  1. Watered garden, 2<sup>nd</sup> Annual Fun Run / Walk, Iron Springs, Iron Town, Genetics, Cabin, Guitar
  2. Zion, Angels Landing & Emerald Pools, Geophysical Slides
  3. Bottle Rockets, swimming, and having a good time

# 9<sup>th</sup> Annual Nelson Grandkids Summer Science Camp



## Summary

### **Sunday:**

1. Garden of the Gods
2. Set up Teepee

### **Monday:**

1. Fossil National Park
2. Royal Gorge Bridge

### **Tuesday:**

1. 3<sup>rd</sup> Fun Run / Walk
2. Salida Hot Springs

### **Wednesday:**

1. 4<sup>th</sup> of July Parade
2. Pikes Peak

**Good Times!**

**Base Camp: Dr. Scott Bowman's  
Cabin / House in Buena Vista, CO  
(obviously winter photo)**

Photos + slides will be posted at:  
[http://www.walden3d.com/photos/Grandkids\\_Science\\_Camps/180701-05\\_Science\\_Camp](http://www.walden3d.com/photos/Grandkids_Science_Camps/180701-05_Science_Camp)

# Safety

- **Never go anyplace alone.**
- Exception is if one of you is hurt, then:
  - One of you stay and help the person hurt.
  - The other one run and get help.
- If you get lost stay put, we will find you.
- If you hear a rattlesnake do not move quickly, just slowly move away from the sound.
- Do not run with a knife open. Use knife safety.
- If you cut yourself, apply pressure to the wound to stop bleeding, and send for help.
- Never point an arrow in a cocked bow or a gun at any person.
- Drink lots and lots and lots of water.
- Do not go swimming unless an adult is with you.
- Do not start branches on fire and swing them around where others can be hurt.
- Have fun, use common sense, and **think before you act.**

# Schedule Sunday - Thursday

- Sunday, 01 July 2018

- 12:30 Pick up Sophie and Izzy at Denver Airport.
- 4:00 Garden of the Gods, Colorado Springs.
- 7:00 Dinner, put up Teepee, and Rob's drone.

(Because none of us have been to Buena Vista before, the following schedule is subject to change)

- Monday, 02 July 2018:

- Breakfast, Rob's drone, exploring around Bowman's Cabin.
- Florissant Fossil Bed National Park, lunch on road.
- Gold Mine Tour, Dutch Oven dinner and guitar at Bowman's Cabin.

- Tuesday, 03 July 2018:

- Breakfast, Fun Run and Walk, Mount Antero, and Taylor Park.
- Exploring the mountains around Buena Vista, lunch on road.
- Swimming at Salida Hot Springs, dinner and guitar at Bowman's Cabin

- Wednesday, 04 July 2018:

- Breakfast.
- Fourth of July Parade at Buena Vista, lunch on the road.
- Fireworks in Buena Vista or in Colorado Springs.

- Thursday, 05 July 2018:

- Early breakfast then Grandpa, Grandma, Ethan, Sophie, and Izzy leave.

# Job Chart

Monday	Tuesday	Wednesday
Breakfast: Taylor, Ethan, Quentin & Sophie Set-Up, Cook, & Clean-Up	Breakfast: Halle, Ella, Dallin, & Izzy Set-Up, Cook, & Clean-Up	Breakfast: Grant, Colby, & Avalyn Set-Up, Cook, & Clean-Up
Lunch: On the Road	Lunch: On the Road	Lunch: On the Road
Dinner: Colby, Quentin, Avalyn, & Izzy Set-Up, Cook, & Clean-Up	Dinner: Taylor, Grant, Sophie, & Ella Set-Up, Cook, & Clean-Up	Dinner: Ethan, Halle, & Dallin, Set-Up, Cook, & Clean-Up

When we make sandwiches for lunch everyone makes their own.

Everybody picks up their own dishes!

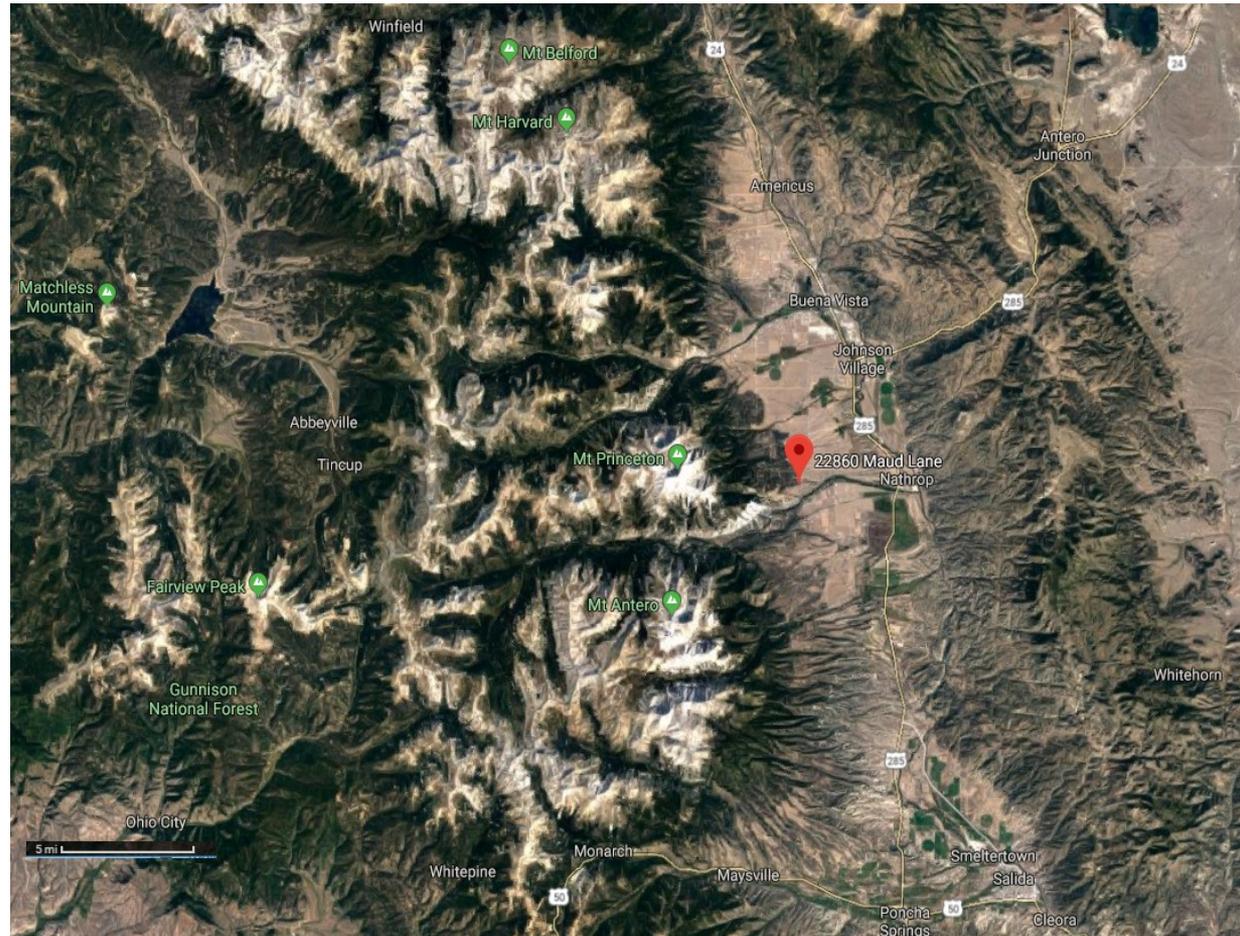
Everyone cheerfully does what they are asked to do by Grandpa, Grandma, Uncle Paul, Uncle Jared, Aunt Melanie, Uncle Rob, or Dr. or Mrs. Bowman.

Thursday Morning: Cold Cereal

# Day 1: Sunday, 01 July 2018

1. Pick up Sophie and Izzy at Denver Airport
2. Garden of the Gods, Colorado Springs
3. Put up Teepee
4. Grandma & Grandpa Dinner
5. Rob's Drone
6. Explore area around Bowman Cabin
7. Presentations (Discussions of Science Activities at School this last year) & Guitar & Singing

## Explore Area Around Bowman's Cabin



# **Presentations** (Discussion of Science Activities over the last year)

- Ethan \_\_\_\_\_.
- Grant \_\_\_\_\_.
- Colby \_\_\_\_\_.
- Taylor \_\_\_\_\_.
- Ella \_\_\_\_\_.
- Halle \_\_\_\_\_.
- Sophie \_\_\_\_\_.
- Dallin \_\_\_\_\_.
- Avalyn \_\_\_\_\_.
- Quentin \_\_\_\_\_.
- Izzy \_\_\_\_\_.

# Day 2: Monday, 02 July 2016

1. Breakfast
2. Exploring around Bowman's Cabin
3. Florissant Fossil Bed National Park
4. Lunch on Road
5. Gold Mine Tour
6. Dutch Oven Dinner
7. Guitar & Campfire Singing

## Explore Area Around Bowman's Cabin



### Florissant Fossil Beds National Monument

www.americansouthwest.net/colorado/florissant-fossil-beds-national-monument.html



The largest fossilized sequoia (Big Stump), along the Petrified Forest Loop

**Highlights:** Petrified stumps of giant sequoia trees, the largest 41 feet in circumference - part of a quiet and scenic preserve that also many smaller fossils, several historic buildings and a selection of hiking trails through woodland and meadows

**Nearest city with hotels:** Manitou Springs, 31 miles

**Management:** NPS

**Location:** 38.913, -105.284

**Seasons:** All year. Receives moderate snowfall in winter

**Weather:**  [Weather Forecast](#)

#### Florissant Fossil Beds - Photographs

11 views of Florissant Fossil Beds National Monument



Pine and aspen trees

Wide sequoia stump



Hornbek Homestead

Old wagon



Abert's squirrel

There are several lesser known national monuments in the American west that preserve the sites of important fossil discoveries, though in most cases all the exposed specimens have been removed so little of interest remains to see, such as at **Fossil Butte** in Wyoming. But not at Florissant Fossil Beds, 35 miles west of **Colorado Springs** in the foothills of the central Rocky Mountains, where the highlight is a group of **petrified sequoia stumps**, the largest 41 feet in circumference - all still upright and in their original positions, part of a pretty, pastel-colored landscape of yellow-green grassy plains bordered by low wooded hills. The sequoia (or redwood) stumps are the most visible and spectacular relics in the national monument, although the main discoveries in this area were many thousands of smaller fossils - plants, insects, fish, birds and mammals - which have been excavated from the thin-layered sedimentary rocks beneath the hillsides since the late 1800s when the significance of the location was first recognized.

This region of Colorado was once covered by a large, shallow lake, surrounded by a dense, moist forest, flourishing during the late **Eocene** period around 35 million years ago. Examples of typical fossil species found here can be seen in a museum by the visitor center; none are visible to the casual observer in situ in the surrounding countryside apart from at a few limited sites used for modern-day excavations, which may only be visited if accompanied by a ranger. Away from these sites, and the sequoia stumps, the majority of the 3 by 4 mile park consists of empty, undulating land of streams, meadows, woods and valleys, crossed by 14 miles of trails - pleasant scenery, but no different to many other nearby places.

# Florissant Fossil Beds National Monument & Mollie Kathleen Gold Mine Tour



## DESCEND UNDERGROUND

### Gold Mine Tour

*Open Daily*  
*Tours Depart At Least Every 30 Minutes Between 9:00 and 6:00*  
Last tour departs between 5:30 and 6:00

- Tour
- Gold
- Surface
- Hours / Directions
- Rates
- Need to Know
- FAQ
- History
- Groups
- Contact

# Day 3: Tuesday, 03 July 2018

1. Breakfast & Fun Run or Fun Walk
2. Exploring the mountains around Buena Vista:
  1. Taylor Park
  2. Mount Antero
3. Lunch on the Road
4. Swimming at Salida Hot Springs
5. Dinner and Guitar at Bowman's Cabin

## Taylor Park



The Taylor Park area is bountiful with available activities for you and your family. The list is almost endless, but we'll list a few of the favorites.

\* Hunting \* Fishing (both lake and fly fishing in the many rivers and streams) \* ATV/UTV trails \* Hiking  
\* Photography \* Wildlife viewing \* RVing \* Camping \* Visiting old mines \* Visiting Ghost towns  
\* Mountain Passes \* Rock climbing \* River rafting \* Float trips \* [ATV/UTV Rentals](#)

And on and on and...

## Mount Antero



# Award Certificate

Presented to

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**Third Annual Fun Run with my 68 year old Grandpa Nelson, or  
Fun Walk with my 63 year old Grandma Nelson at  
The 9th Annual Nelson Grandkids Science Summer Camp**

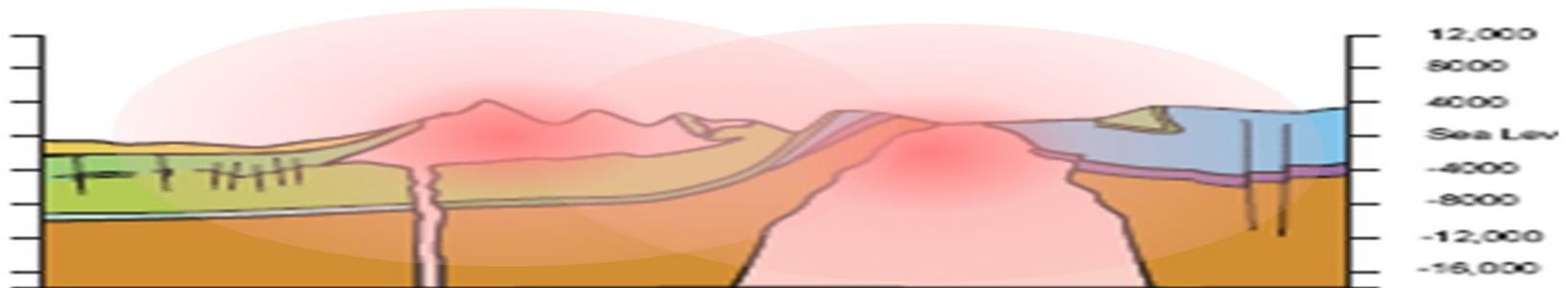
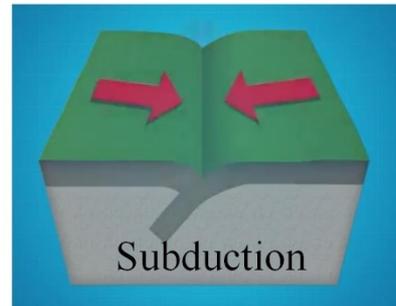
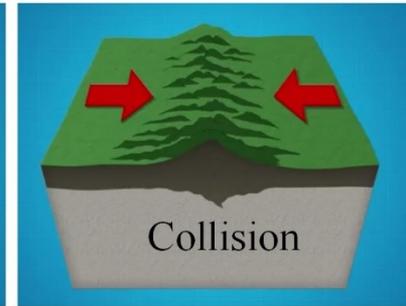
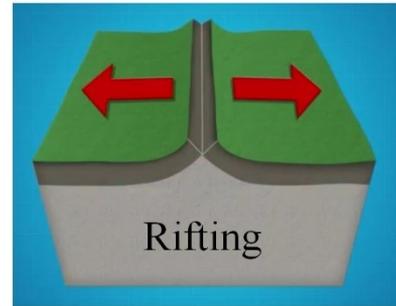
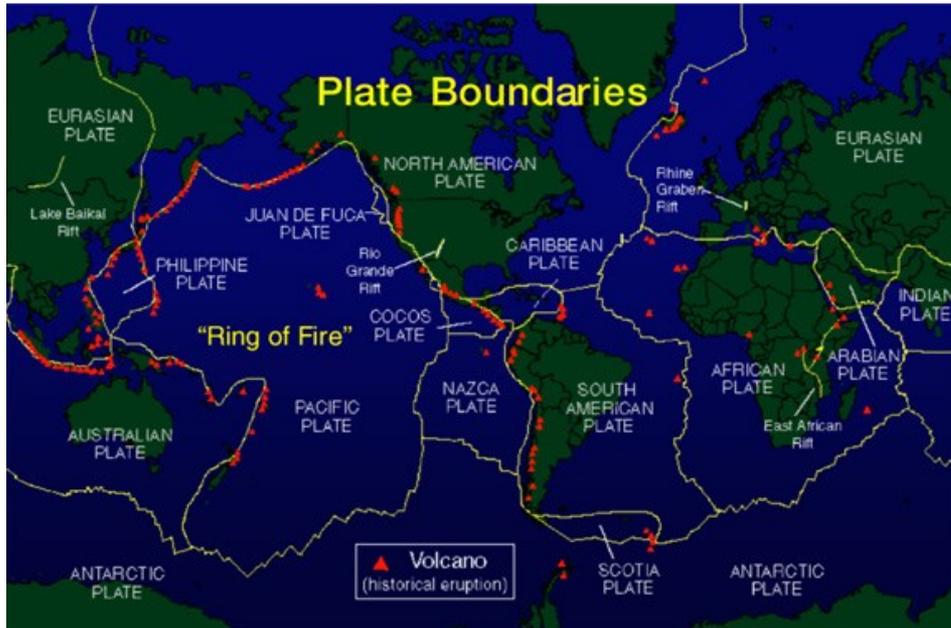


Signed \_\_\_\_\_

03 July 2018

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# Plate Tectonic Movements Control Geologic Growth



Temperature Anomalies from Intrusive Rocks

Mineralization Occurs in Heated Fluids in Faults

# Salida Hot Springs

We are proud to be the largest indoor hot springs in North America, as well as the only publicly-operated aquatic facility within 100+ miles of Salida.

## AVERAGE POOL/SPA TEMPERATURES

Lap Pool: 84-86 degrees

Leisure Pool: 97-100 degrees

## AQUATIC CENTER HOURS – [SEE THE FULL POOL CALENDAR](#)

Monday – Thursday 6:00am – 8:00pm, open swim begins at 1:00pm

Friday 6:00am – 9:00pm, open swim begins at 1:00pm

Saturday 9:00am – 9:00pm, open swim begins at 1:00pm

Sunday 12:00pm – 6:00pm, open swim all day

*Hours may vary depending on fitness classes, swim team use and other recreation programming.*

## Rates, Discounts & Passes

### Regular Daily Admission

Adult	\$11
Senior	\$9
60+/Military	\$9
Youth (6-17 years)	\$5
Child (0-5 years)	\$3
Shower Only	\$5

*DURING OPEN SWIM HOURS – Beginning at 1pm Monday – Saturday, and Noon on Sunday*

Open Swim is regularly priced swim time. Price includes re-entry all day.

# Day 4: Wednesday, 04 July 2018

1. Breakfast.
2. Fourth of July Parade in Buena Vista.
3. Lunch on the Road.
4. Exploring more mountains around Buena Vista.
5. Fireworks in Buena Vista or Colorado Springs, and will stay at Jared's brothers place in Colorado Springs if go there.
6. Leave early Thursday morning.



Things To Do Events ▾ Places to Stay Chamber Info ▾ Relocation ▾



## 4th of July Parade Registration

**\$0.00**

Join the fun and participate in the Buena Vista 4th of July Parade. The parade starts at 10 am on Main Street in front of the BV Heritage Museum (old courthouse) and proceeds west down Main Street to San Juan. Lineup starts at 9:00 am, you need to be in line by 9:30 am. All members of our community, our businesses and organizations are invited to participate in the parade. Decorate your transportation (or feet), play music, deck yourself up in red, white and blue and then walk, bike, create a float, drive an antique car, ride a horse or ATV. You must sign a release to participate. You'll receive a message with a link for the release once you've registered. Please download the release and bring it with you or you may pick one up in front of the museum on parade day. Call 719-395-6612 with questions. Thanks for participating in this year's parade, let's make it the best ever! Be sure to scroll down this page for more details.



# 2018 Science Camp

- What was best about 2018 Science Camp?

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- What would be your ideal 2019 Science Camp Theme?

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