# MEMO—OFFICE OF THE PRINCIPAL

Date:

February 10, 2017

To:

Dr. Kent Mutchler

From:

Mr. Tom Rogers

Re:

Grand Canyon Trip Proposal - Summer 2018



GHS Science teacher, Fred Fortman, would like to request permission to organize an out-of-state field trip during the summer of 2018 to the Grand Canyon. The purpose of the trip is to provide an opportunity for students to gain an understanding of the science of these ecosystems and the need for their continued protection and study. The tentative itinerary and trip details are as follows:

1. Trip Dates:

Summer 2018 (June 8 – June 12)

2. Number of Students:

35+

3. Transportation:

Airlines (TBD) and Motor Coach

4. Cost of Trip:

Approximately \$2,057

5. Adult Chaperones

Fred Fortman

**GHS** Faculty Members

6. Goals:

- a. To provide an opportunity for students to gain an understanding of the science of these ecosystems and the need for their continued protection and study.
- b. To pair the concepts of Earth Science, Biology, Horticulture and Astronomy taught in the classroom with real life examples.
- c. To open up the students to hands on lessons in science and history and enjoy the character building benefits of travelling to new places and meeting new people.

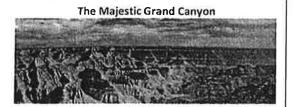


Who: Geneva Community High School

When: June 8-12, 2018

Students: 35+ Adults: 1:10 ratio

All Inclusive Price: \$2,057



# **Grand Canyon Trip Proposal**

Pricing is all Inclusive and cover the following:

- \*Round Trip Airfare
- \*All Transportation (Motor Coach)
- \*All Meals (3 Per Day)
- \*24 Hr Full time Experienced Guide
- \*All Lodging (3-4 students, 1-2 Adults) with private Group Security
- \*All Programs, Activities, Admissions, Taxes and Gratuities
- \*Medical and Liability Insurance
- \*Optional Trip/Travel Insurance
- \*All Customer Service and Accounting
- \*1 free chap for 10 traveling students (10:1)

## ample Detailed Itinerary:

### ay 1:

Early Morning Departure from Miami Arrive in Las Vegas Meet your Grand Classroom Guides at Baggage Claim Depart for Zion National Park Hike the Emerald **Pools and Angels** Landings: Learn the Parks diverse plant and animal communities, fascinating human history and unique geological history Depart for Kanab UT Checkerboard Mesa Dinner Check into Hotel, Kanab, UT

# Day 2:

- Hotel Breakfast
- Depart for Bryce Canyon National Park
- Hike the Canyon Rim:
   Bryce transcends
   2000 feet (650 m) of
   elevation, the park
   exists in three distinct
   climatic zones:
   spruce/fir forest,
   Ponderosa Pine
   forest, and Pinyon
   Pine/juniper forest.
   This diversity of
   habitat provides for
   high biodiversity.
- Hike into the Canyon, Navajo Loop through the Hoodoos of the Queens Garden: "hoodoos," are formed when ice and rainwater wear away the weak limestone the hoodoos' geologic story is also closely tied to the Grand Staircase region and volcanic complex
- Dinner
- Coral Pink Sunset
   Dunes State Park
- Return to Hotel in Kanab

#### Day 3:

- Hotel Breakfast and Check out
- Depart for Page AZ
- Antelope Slot
   Canyons: Concepts of weathering and erosional forces
- Float Trip down the Colorado River: Geological History of canyon and Native American History
- Depart for Flagstaff AZ
- Wupatki Indian
   Monument: Explore
   these historic Native
   American Ruins and
   learn the significance
   of Native American
   living and culture
- Sunset Volcanic Craters: Hike the ancient Basaltic Lava Flows first hand while investigating volcanic processes and formations
- Dinner
- Indoor Rock Climbing
- Check into Hotel

#### Day 4:

- Hotel Breakfast
- Depart for Grand Canyon National Park: Visiting various sites throughout the Canyon along the South Rim, Examine a comprehensive overview of geological history, minerals, rock cycle and other earth processes. Discover the rich history and culture of native people and settlement of the region and environmental factors that shape this one of a kind landscape
- Mather Point
- Hike the Kaibob or Bright Angel Trial to Ohh- Ahh Point
- Desert Watchtower
- Navajo Cameron Trading Post
- Return to Flagstaff
- Dinner
- Lowell Observatory: A in depth lesson in astronomy, view various features in the night sky throughout our solar system and the universe through numerous high powered telescopes
- Return to Hotel

## Day 5:

- Hotel Breakfast and Check out
- Depart for Sedona AZ
- Hiking at Red Rocks in Sedona: This geologically unique area situated between 2 rivers give this park a diversity of riparian and upland plant and animal communities.
- Depart for Las Vegas
- Tour of Hoover Dam: learn the workings of this incredible man made structure. Concepts of water flow, water diversion and usage, hydroelectric power, human and environmental impacts
   are discussed
- Dinner
- Depart for Airport
- Flight Home