

2016 IAGD-GSA Accessible Field Trip: An Accessible Journey through Geologic Time in Central Colorado

Saturday, September 24, 2016, Denver, Colorado

Trip B: Middle and High School Students with disabilities and Science Teachers*

Stop 1	24 SEPT	9:00 - 10:15am	I-70 Road-cut Objectives: Introduction to stratigraphic principles, formation of sedimentary rocks, rates of deposition, deformation. Activities: Signs along the paved path guide the participants to answer questions, describing road-cut characteristics through observations. Sketching/labeling the road cut on opposite side of road.
Stop 2	24 SEPT	10:30 - 11:15am	Red Rocks Amphitheater Objectives: Identification of a nonconformity and the “missing” record of geologic history in this location. Activities: Observation and description of a nonconformity. characterization of Fountain formation. Gaining perspective on younger layers. Discussing, describing, feeling rock layers.
Stop 3	24 SEPT	11:30am - 12:30pm	Lunch and social discussion
Stop 4	24 SEPT	12:30 - 2:30pm	Dinosaur Ridge Objectives: Types of Fossils and what we can learn from them (plant, trace, bone). Faulting and deformation of sedimentary rocks. What can we learn from concretions and volcanic ash layers? Activities: Using the information on the signs along the ridge, participants can learn about the geologic history of the area as well as the human activities associated with the geologic features. Observation, discussions, describing, note taking, sketching, using Geiger counter to test trace amounts of radioactivity in fossil bones, along with a discussion of why they are found to be radioactive.
Stop 5	24 SEPT	3:00 - 5:00pm	Colorado School of Mines Geology Museum Objectives: Planetary Geology, Overview Golden Valley as well as Rocky Mountains Geological History, and discussion of Earth materials Activities: Potential for guided or individual tours and discussions
Stop 6	24 SEPT	6:00pm	Return to the Denver Convention Center

*times, locations, and order of stops are subject to change.