

## **Mt. Washington Field Trip Assignment**

### **Goals:**

1. Find evidence of change over time at and around Mt. Washington
2. Find evidence of earth system cycles at and around Mt. Washington
3. Consider how to organize an observation-based inquiry field trip with your own students

### **Product:**

**Poster:** Create a poster using the *Mt. Washington and the Heart of the Presidentials* topo map as a base that illustrates evidence of change over different time scales or evidence of different earth system cycles.

**Presentation:** Prepare a 10-15 minute presentation that includes:

1. an overview of your poster and what it shows
2. a discussion of what your group learned about time scales or earth system cycles through this exercise
3. a description of the experience your group had in the field including any surprises or challenges you encountered
4. a discussion of how you would modify this assignment to use it with your own students

### **Planning questions for Time scales groups:**

What processes or events can you identify taking place at the following time scales:

- Continuously
- Hourly
- Daily
- Seasonally
- Annually
- Every ten years
- Every hundred years
- Over 1000's of years
- Over 10,000's of years
- Over millions of years
- Other

### **Planning questions for Earth system cycles groups:**

What evidence can you see of the following cycles:

- Hydrologic
- Atmospheric
- Lithospheric
- Biospheric

What evidence can you see of interactions between and among these cycles?