

GRACE Educational Curriculum WEATHER / CLIMATE / ATMOSPHERE	
Teachers	Grades 9-12
Science	

---

## Climate Travel Agent

### Background Information:

Climate consists of the average of successive weather conditions at a particular place or area over a long period of time. It is average weather. The climate affects the flora and fauna found in that region. It also has a great impact on people who live there and the industry from there. Climatic changes are extremely slow. Remains of an ice age can be found on Long Island and other parts of our country. The discovery of coal by Admiral Byrd in the Antarctic shows that it once had tropical conditions. The GRACE satellites will assist in tracking global climate change.

### Objectives:

Students will write about conditions that exist in different climatic zones.

### Standards:

Science: science as inquiry; physical science; earth & space science; science & technology

### Materials:

Research material from library or internet about Climate  
Paper  
Map Pencils or Markers

### Directions to the Teacher: Have students:

1. Choose a climatic zone.
  2. Research the following information about that climate:
    - description
    - wild life
    - plants
    - average weather
    - extreme weather
    - people
    - how they dress
    - industry suited for that region
-

- 
- sports or activities for that area
  - safety for any extreme conditions there
  - location on earth
  - average rainfall
  - average and range of temperature
3. Using a single sheet of typing paper, make a tri-fold brochure advertising your climate. Include all the information found in question 2. You may use pictures or make drawings to make your brochure as eye catching as possible. Remember to really “sell” your climate.
  4. Ask the students to answer the following questions:
    - What is your favorite thing about the climate you chose? Least favorite?
    - How does your chosen climate differ from the climate you live in?

**Extensions:**

- Assign climates to the students to make sure all climates are represented.
- Suggest students “do more” by investigating how the climate of the region they studied changed over the last million years? How long did the change take?
- Contact a travel agency about vacations to various climates. Which are the most popular?

**References / Resources:**

<http://encarta.msn.com/find/Concise.asp?ti=0409B000>

<http://www.cdc.noaa.gov/>

---