

Name: _____
 Date: _____

Pd. _____

The Academy of Natural Sciences of Drexel University
Plan your own expedition!

For the student teams:

You are scientists getting ready for an expedition! You are conducting ground-breaking research and need to gather information about your expedition to present to your team. Each team will choose a scientific discipline, a topic to study, and a place where their team will travel. You will then develop a travel brochure to present to your team (the class) that explains all of the details of your trip.

Using your knowledge of scientific research, each team must:

1. Choose a discipline (for example: ichthyology, vertebrate paleontology, ornithology, etc.)
2. Find a topic of research within the discipline (for example: exotic fish, digging for fossils, collecting birds in Timbuktu, etc.), and select a logical location to conduct your research. This step will require some research on your part. What types of scientific research projects are being done? If you want to study exotic fish, where is the best place to do so? Work as a team to develop a plan for your research.
3. Work together to write a two-paragraph essay on what your research will entail. Be sure to include why you chose your location based on your discipline and the significance of your research. Why will your research be important to the scientific community? You can get ideas from your previous activities (the websites from Day 2's activity, the Academy's website, or anything from the Google Earth file).

The writing assignment must be complete before moving on to the travel brochure!

After you decide what type of research you will be conducting and where you will travel, you must create a travel guide or brochure for presentation. It should include the following:

- Identify a general location where your research can be conducted. Select a country and a specific city to travel to.
- Provide a map of the world location where your research will be conducted. Please indicate the closest city as well as the country. You must also include a resource for the map.

Plan the expedition!

Some things to consider and plan for the scientific team:

- Please research airlines and costs to the closest city to where your research will be conducted. Provide at least three different airline price quotes for the trip (if there are at least three different airlines that go there).
- What is the country where your research is going to take place like? What language do they speak? What is the common currency? (Check out <https://www.cia.gov/library/publications/the-world-factbook/>)
- Are there roads/other sorts of infrastructure (houses, electricity, etc.) near where you are planning to go? (You can use Google Earth to look at what it is like near their location).
- If the site is far away from civilization, how will you get the scientists there from the closest airport?
- What is the climate like where you are going? What time of year would be the best time to go?
- Who will you bring with you? Think big! An artist to draw your specimens? A photographer or videographer? Fellow employees from the Academy (check out the ANSP employees at the website: <http://ansp.org>)?
- What equipment will you need?
 - Think about the food, water and shelter needs. Will the scientists be able to buy food/water during the trip or will they have to bring it all with you?
 - What type of equipment will you need for your research?
 - How will you get the equipment to the site?
 - Will you be bringing specimens back? How will you store the specimens and transport them back to the airport from the site?

You may design your brochures on the computer or by hand. Take this class period time to conduct all of your research, then delegate tasks to each member of the group to do for homework. Be prepared to talk about any challenges you were faced with while creating your trip.

Most of all... have fun, scientist!