

Postcards from an Imaginary Scientific History Vacation



Today you are on a snow day. While at home staring out the window at the snowflakes falling, you think about getting out of town...you are tired of snow already! You decide to plan a trip! You absolutely love science and decide your trip will be centered around your favorite scientist's life. On this vacation, you will be heading off to various places associated with or significant in a scientist's life and/or their contributions to scientific ideas. Along your trip, you will be making several stops and sending two faux postcards to your favorite science teacher Mrs. Donley. (You thought she would be pleased that you were so interested in a scientist...)

You love vacation time so let's get started!

First you need to pick a scientist.

* Scientists to choose from (Remember each of these individuals made multiple contributions. Be sure to focus on their biology contributions.)

Aristotle	Malpighi, Marcello
Beneden, Eduard Joseph	Mendel, Gregor
Brown, Robert	Morgan, Thomas Hunt
Chargaff, Erwin	Mullis, Kary
Collins, Francis	Nageli, Karl Wilhelm von
Crick, Francis	Palade, George Emil
Cuvier, Georges	Pasteur, Louis
Darwin, Charles	Punnett, Reginald
Darwin, Erasmus	Ray, John
DeVries, Hugo Marie	Redi, Francesco
Flemming, Walther	Remak, Robert
Franklin, Rosalind Elise	Sachs, Julius von
Frisch, Karl von	Sanger, Frederick
Galilei, Galileo	Schleiden, Matthias
Golgi, Camillo	Schwann, Theodor
Hooke, Robert	Spallanzani, Lazzaro
Ingenhousz, Jan	Strasburger, Eduard Adolf
Jeffreys, Sir Alec	Theophrastus
Lander, Eric	Virchow, Rudolf
Lamarck, Jean Baptiste de	Venter, Craig
Leevenhoek, Anton	Wallace, Alfred Russel
Linnaeus, Carolus (Carl Von Linné)	Watson, James
Lyell, Charles	Wilmot, Ian

Timeline and itinerary requirements:

Timeline: Once you have a scientist, you need to make a timeline of their life so you know where you will be headed on your vacation. (You can't just get in a car, bus, plane etc. and think you will just come upon your scientist's laboratory. You have to have a plan or make an itinerary. Right? ☺)

You will research your scientist and locations of significance to the historical development of their scientific theories and ideas.

Using this background information, you will plan an itinerary for an imaginary science vacation, visiting sites of importance.

Some things to include in your timeline:

1. Birth date and location
2. Death date and location
3. Was the scientist married? Date and location. (Did the scientist have children?)
4. Education dates and locations
5. Jobs they may have held (some were greatly influenced by their positions)
6. Discoveries or contributions to scientific ideas dates and locations

Use information that you found in your research for your timeline to decide where you want to go on your vacation.

For your itinerary, you need to have at least 4 stops and an approximate time schedule. (Remember, most people do not get more than a 1 or 2 week vacation.)

Postcards:

From the 4 stops on your vacation choose two locations to send postcards from.

For each postcard:

On the front:

~Have a picture of something from or about the scientist's life.

~Have a name of a location etc. as a title

On the back:

~Send it to Mrs. Donley

~Have a description of what is on the front of the postcard. (This goes on the top left of the back side of the postcard.)

~Write a short message as to why you stopped there or something you found out while there that is of significance to the scientist's life and discovery.

Scientist Choice Written Summary:

Who was your scientist?

Why did you choose those sites to visit? What was the relevance of the site to the scientist and/or their discovery?

What was (were) their major scientific accomplishments/contributions?

What impact did the accomplishments/contributions have on society and scientific theories?

How did they discover it? Was it an accident? What was the experiment like?

Are there other sites you would like to visit pertaining to this scientist? What are they? Why?

Would you ever go on a trip like this? Why or why not?

Finally:

~Provide Mrs. Donley with a bibliography (Minimum of 3 sources.)