Presentation Notes

Presentation   The process of science_____   Lesson   3.2_____

Notes from Presentation:
Exploring the world
- Scientists ask questions and solve problems to understand the world around them better
- This is referred to as scientific inquiry
- There are many processes used in inquiry

Basic Processes
Observing- Looking for characteristics, similarities and identifying features of objects. Using the five senses to discover info.

Predicting- Developing an assumption of the expected outcome. Extension: form a hypothesis

Classifying- Grouping and ordering objects, sorting b similar characteristics, Dichotomous key (a method for determining the identity of something by going through a series of choices that leads the user to the correct name of the item)
Classifying using Dichotomous-
- Each step involves making a choice between two characteristics.
- Each statement should lead to the next step to narrow the selection
- Each step will either identify the item or direct you where to go next

Measuring- Comparing unknown quantities to a standard of reference. Length, mass, Temp, volume.

Communication-Sharing findings and results, graphs, charts, reports, presentations

Experimenting-
- Following clear procedure- Verifiable, Repeatable
- Provides data- Qualitive and quantitative

Inferring- Forming ideas to explain observations, Analyzing the results to form conclusions

List five key points that are important to remember from this presentation.

1. Scientists ask questions to be able to understand the world

2. There are 7 basic Processes

3. The Dichotomous key helps categized things in groups.

4. When experimenting there are 2 types of data qualitive and quantitative.

5. Sharing your ideas is good for communicating

List three ideas or concepts that this new information has in common with previous things learned.

1. Communication is important

2. Making observations is important is experiments

3. Using your senses is good in experiments.

List questions or ideas that remain unclear about the information presented that should be asked for clarity at the appropriate time.

None