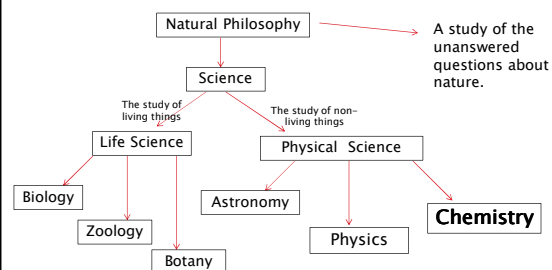


What is Chemistry?

Mr. Sudbury

1.1 The "Central" Science



Chemistry

- ▶ *Chemistry is the branch of science that studies matter and the changes it undergoes.*
- ▶ Chemistry is all around you.
 - Air you breathe
 - Food you digest
 - Clothes you wear
 - Textbook you read
 - Clothes you wear

In Chemistry You MUST....

- ▶ Think Critically...
- ▶ Think Creatively.... (outside the box)
- ▶ Problem Solve...
- ▶ Follow Procedures...
- ▶ Communicate valid conclusions...
- ▶ Explain things...
- ▶ Use math...
- ▶ BE SAFE!!!

Science vs Technology

- | | |
|---|---|
| <ul style="list-style-type: none"> ▶ Science <ul style="list-style-type: none"> ◦ A method of answering theoretical questions. ◦ Discovering facts and relationships between observable phenomena in nature by establishing theories that organize and make sense of the facts and relationships. | <ul style="list-style-type: none"> ▶ Technology <ul style="list-style-type: none"> ◦ A method of solving practical problems. ◦ Technology is the tools, techniques, and procedures for putting the findings of science to use |
|---|---|

Science vs. Technology

- | | |
|--|--|
| <ul style="list-style-type: none"> ▶ Examples of science: <ul style="list-style-type: none"> ◦ What causes the flu? ◦ How are atoms put together? ◦ How is genetic information stored and transmitted? | <ul style="list-style-type: none"> ▶ Examples of technology <ul style="list-style-type: none"> ◦ Flu vaccine ◦ Atomic bomb ◦ Genetic engineering |
|--|--|