

## **Introduction unit - 10 % of Mark**

### ***Safety***

HHPS symbols and WHMIS symbols - Handout, pg 511 of Investigating Science 10

[http://www.ccohs.ca/teach\\_tools/chem\\_hazards/symbols.html](http://www.ccohs.ca/teach_tools/chem_hazards/symbols.html)

### ***Scientific method*** - Handout, page 371-375

Steps in the scientific method

Correlational studies

Hypothesis

Materials

Procedures

Types of variables in an experiment

- independent

- dependent

- controlled

Observations

- Quantitative qualitative

- Observation vs inference

- Bias vs objective

Making graphs

Making tables

Discussion of Results

- evaluating data - statistics

- sources of error

- improvements

- next steps

Conclusion

### ***Scientific literacy***

Reading a scientific article and summarizing it analyzing the scientific method

### ***Assessment***

Designing an Experiment - Complete the handout

Summarizing an article - find article

Test - Next week