

IPC Unit 1 (Daily Schedule)

Nature of Sciences – Chapter 1, Laboratory Safety, and Measurement

TEKS Covered : 1A, 1B, 2A, 2B, 2C, 2D, 7A

August 27th

- Meet and greet students (nicknames, special needs, etc.)
- Information cards/seating chart if you wish.
- Do classroom demo to fill time -if necessary. (Have on hand)

August 28th (Taking care of “bidness” day)

- Hand out class syllabus
- Define classroom rules/procedures.
- Social contracts/individual rules.
- Seating chart if necessary.

August 29th and 30th (block day)

- Diagnostic test on scantron.
- Lecture/demo scientific method.
- Emphasize inference, hypothesis, theory, law, dependent (responding) and independent (manipulated) variables, control, constant, and conclusions.
- Simpsons worksheet (“Daily” Grade #1)

August 31st and September 4th

- (Finish sci. method if necessary)
- Lecture Safety- (ppt, pass equip out, etc)
- Hand out laboratory equipment packet and lab safety contracts get safety contract signed for homework (“Daily” grade#2) Due 9/5/07 & 9/6/07
- Students are to fill in lab equipment using lab equipment sheet. (“Daily” grade#3)
- Discuss student work and remaining equipment with students.
- Review for quiz over safety and lab equipment

September 5th and 6th

- Quiz on safety and equipment (“Daily” Grade #4)
- Measurement lecture/demo. (powerpoint available electronically).
- Demonstrate measuring volume, length, and mass. (SI units)
- Student practice in groups with actual laboratory equipment – use lab sheet
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September 7th

- Make sure to show as many different measurements types as possible
- Lecture and demonstrate conversion of Celsius to Kelvin.
- Measurement worksheets (“Daily” Grade #5)

September 10th

- Lecture pie, bar, and line graphs. (reference textbook and transparencies)
- Make graphs from information from students as demo.
- Interpret the graphs. – Interpolation and Exterpolation
- Graphs wksheet. – (provided later for Prep) (Pre-AP electronically)**Homework #5**

September 11th

- Review – Finish Graphing if necessary

September 12th /13th

- Unit 1 Test (Ch 1, lab safety, conversions, sci. method) (**“Test” grade #1**)