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| M   | Describe the role of mathematics in physics | Discuss chapter 1, pg. 10 - 20 “Measurements in Experiments” | • Pg. 30: 5 – 22, 43  
• Download the SPARKvue app on your phone  
• Web post due by Sat., 8:00 A.M. | Students will understand that as we make measurements and quantify matter we can test our understanding of it and fulfill God’s command in Genesis 1:28 to subdue the earth, by designing an experiment to predict the bounce height of a ball. |
| TU  | Estimate length, mass, and volume  
Solve unit conversions | **ACTIVITY: SI Measure Hunt**  
Intro to The Physics Classroom | • The Physics Classroom – THREE ACTIVITIES due tomorrow – see instructions below |
| W   | Understand the role of mathematics in physics | Discuss chapter 1, pg. 21 - 25 “Mathematics and Physics” |  |
| TH  | Use technology tools to report experimental results | Graphing & Graphing with Excel Sample Graph | • Pg. 30 - 34: 23 – 31, 36 – 39, 45  
• **Graphing Exercise 1** Due by class Monday |
| F   | Use technology tools to report experimental results | Homework Review  
Graphing Exercise 2 and...  
**LAB:** Height of Bouncing Ball | • **LAB report:** Height of Bouncing Ball - Due by... ask me  
• Also include video of results in Google Drive shared folder  
• Web post due by Saturday, 8:00 A.M. |

Activities **highlighted in yellow** can be obtained on the class website at [https://tskinnersbec.edublogs.org/](https://tskinnersbec.edublogs.org/). If possible, you should print these. You can read them from your device, but you will find that VERY DIFFICULT to use in class.

- If the activity is a lab and you do use your device in class to read it, Data Tables and Observation Questions MUST copied onto notebook paper BEFORE you come to class for you to use.

**The Physics Classroom** Activities
- Set up an account at [The Physics Classroom](https://www.physicsclassroom.com/). Click on My Account at  [https://www.physicsclassroom.com/](https://www.physicsclassroom.com/)
- Class code is ncsphysics2022
- Hints: Pencil, paper and sometimes a calculator can be very useful
- Click on Tasks and Courses to open these assigned activities. Read all the directions on the activity page.
  - **ACTIVITY: Metric Estimations**  
    - Complete the Wizard level – but it might be helpful to practice with the Apprentice, and Master levels first
  - **ACTIVITY: Metric Conversions**  
    - Complete the Wizard level – but it might be helpful to practice with the Apprentice, and Master levels first
  - **ACTIVITY: Significant Digits**  
    - Complete ALL levels

“Use what talents you possess, for the woods would be silent if no birds sang except for the best.”  
Henri van Dyke