

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
M	Define the branches of physics and make applications	Discuss chapter 1, pg. 2 – 9 “What is Physics?” “The Scientific Method”	<ul style="list-style-type: none"> Pg. 9: 1 - 5; Pg. 30: 1 – 4 Web post due by Friday, 11:59 PM 	
TU	Describe the role of mathematics in physics	Discuss chapter 1, pg. 10 - 20 “Measurements in Experiments”	<ul style="list-style-type: none"> Pg. 30: 5 – 22, 43 Download the physphox app and the SPARKvue app on your phone 	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 estimating fundamental measurements
W	Estimate length, mass, and volume Solve unit conversions	ACTIVITY: SI Measure Hunt	<ul style="list-style-type: none"> 	
TH	Understand the role of mathematics in physics	Discuss chapter 1, pg. 21 - 25 “Mathematics and Physics”	<ul style="list-style-type: none"> Pg. 30 - 34: 23 – 31, 36 – 39, 45 	
F	Understand the role of mathematics in physics	The Physics Classroom – THREE ACTIVITIES – see instructions below	<ul style="list-style-type: none"> Complete TPC activities Web post due by Friday, 11:59 PM 	

Activities highlighted in yellow can be obtained on the class website at <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 be copied onto notebook paper BEFORE you come to class for you to use.

Web post comments: First post – include your answer to this question: What do I expect to learn in/from Physics? **Enter your name like this:** First initial (space) last name (space) class period. Like this: **T Skinner P5** [www.tskinnersbec.edublogs.org](https://tskinnersbec.edublogs.org)

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/>
- Class code is ncsphysics2023
- 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.” Henry van Dyke