

Day	Academic Objective	Activities	Homework/Assessments	Biblical Integration
M	Use scientific notation in calculations  Identify conversion factors and use them in unit conversions	<b>QUIZ</b> on SI Prefixes, Quantities & Units  Discuss ch 2 pg. 44 - 46 "Conversion Factors"	<ul style="list-style-type: none"> <li>Pg. R100 - 103: 1a, 1c, 2g, 2h, 12a, 12c, 12e, 39; Skip a line between each and SHOW Correct Work!!</li> <li><b>Web post due by Saturday, 8:00 A.M.</b> Topic, "STARS Web Post Comments Ideas" – Application (answer both parts)</li> </ul>	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 using mathematical tools make quantitative observations.
TU	Identify conversion factors and use them in unit conversions	Discuss ch 2 pg. 55 – 56, 44 - 46 "Scientific Notation" "Conversion Factors"	<ul style="list-style-type: none"> <li>Pg. R100 - 103: 13-15, 58c-f, 59d-f, 60d-60f; Skip a line between problems and SHOW Correct Work!</li> </ul>	
W	Use dimensional analysis in problem solving	Discuss chapter 2, pg. 44 - 46 "Conversion Factors and Problem Solving"		
TH	Apply the concept of density in solving problems	Discuss ch 2, pg. 42 –43 "Using Density"  Practice problem solving	<ul style="list-style-type: none"> <li>Pg. 64 - 66: 14, 17 – 19, 22; AND Pg. R100 - 103: 16, 91; Skip a line between problems and SHOW Correct Work!</li> <li>Read (&amp; Print) <b>thLAB: Building Your Balance</b></li> </ul>	
F		<b>thLAB: Building Your Balance</b>	<ul style="list-style-type: none"> <li><b>thLAB: Building Your Balance</b> – see note below</li> <li><b>Web post due by Saturday, 8:00 A.M.</b> Topic - Application (answer both parts)</li> </ul>	

Bring **scientific CALCULATORS** all week

**thLAB: Building Your Balance** – Due Tuesday, Sept. 7

- Record observations (data) and answer questions on separate sheet of notebook paper.
- Show work for Question 1 (Get actual mass of coins from Internet)
- Add Question 4: How were you able to use the balance to find the mass of the coins?

**TEST on Chapter 2** Friday, September 10

**Help Session?**