

# CHESSIE SCIENCE CLASS

## GEOLOGY UNIT

ACTS GRADES 3&4

READING MATERIAL:  
ABEKA GRADE 4  
UNDERSTANDING GOD'S WORLD



### 11/22 NO CLASS—THANKSGIVING BREAK

11/29 First class on Geology/ Soil & the earth's layers & Rock & Mineral Identification  
Prior to class:  
Read: UGW p160-163 & the rock hounds reading page in your handouts  
Complete: fill in the answers on the rock hounds sheet.  
Complete: Comp check 7.4  
Website: <https://www.learner.org/wp-content/interactive/rockcycle/rockdiagram/>  
Use the interactive rock cycle diagram to help students understand each term. Then, try the quiz to see what you know.  
Optional: Bring any special rocks or gems you have collected to show your class.  
Classtime: Rock collection samples given out,  
Crystals & Rock Collections, Layers of the earth

12/6 Where are there local places to hunt rocks? Identify a variety of rock samples  
Prior to class:  
Read: p166 beginning at 7.6 Rocks through p170  
Complete: Comp check 7.6 page 170  
Classtime: Mr Wayne Peterson will be our guest teacher today. He will tell students where there are good places to hunt rocks and will share many of his samples with our classes.

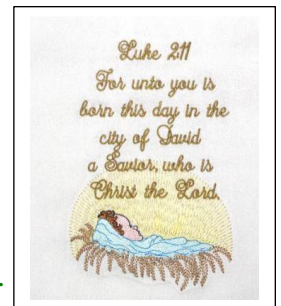
12/13 Rocks, Igneous, Metamorphic, and Sedimentary Rocks Phosphate mining and finding sharks teeth in mining materials  
Prior to class:  
Watch the phosphate mining video at  
<https://www.youtube.com/watch?v=KjmfpgBloAM&t=29s>  
Phosphate deposits formed from the skeletons and decomposition of Sea creatures years ago.  
**Parents:** please note that there is some reference to evolutionary dating. The mining video is excellent and the reference to evolution dating is a very brief statement.  
Complete: Answer the questions on the handout on the phosphate mining video.  
Look over the handout on shark's teeth.  
Classtime: Searching for shark's teeth in shell material from the phosphate mine in Aurora, North Carolina

120 No Class, Christmas Vacation

12/27 No Class, Christmas Vacation

1/3 No Class, New Year's Vacation

There is no homework over Christmas and New Year's Vacation. Enjoy the break as we celebrate the birth of Our Lord and Savior! Thank you for a great first semester.



1/10 Review Games over last semester's topics  
No homework for class today



