

**LESSON PLANS**

**Subject** 6<sup>th</sup> grade Science **Teacher** Faulkner

**Date:** August 29B,  
Mon. Periods 567

**Date:** August 30A, August 31B  
Tues periods 1,3 Wed. period 567

**Date:** Sept.1A. Sept. 2B  
Thu. period 1,3 Friday Periods 567

<p><b>Objective(s):</b> 6.1A 6.4B 6.2 A, B, C, D</p> <p>To identify proper lab safety procedures and the proper use of lab tools.</p>	<p><b>Objective(s):</b> 6.1 A 6.4B 6.2 A, B, C, D</p> <p>To list the steps of the Scientific method and set up an experiment using the Scientific Method.</p>	<p><b>Objective(s):</b> 6.1 A 6.4B 6.2 A, B, C, D</p> <p>To identify Independent, Dependent and Control Variables in an experiment. Set up an experiment using the Scientific Method</p>
<p><b>Methods/Activities:</b></p> <p>Science Starter: SciScramble-safety pptx (safety word scramble )</p> <p>Collect Lab Safety Contracts Sheet. Reminder: Students will not be able to participate in labs unless the contract is turned in.</p> <p>Show lab equipment ppt and do the accompanying worksheet (Cloze Notes). Place notes in Science Journal.</p> <p>Students will take a Lab Safety Quiz.</p> <p>Monitor and Reflect: Make up a song to “Twinkle, Twinkle about lab equipment or lab safety.</p>	<p><b>Methods/Activities:</b></p> <p>Science Starter: Guess the lab tool ppt.</p> <p>Teacher will present Scientific Method ppt (scimeth), turn to your shoulder partner and give a 1 minute teach on the Scientific Method, afterward student groups will fill in Sci-Meth flow chart for notebook. Go over answers together and place in Journal.</p> <p>Students will practice the Scientific Method with the Penny Lab. Lab will be turned in and will finish and discuss next class period.</p> <p>**Students will work on the graph the next class period. (Teacher needs to guide students). Also, for the next class period we will discuss the disparity in results and why that occurred.</p>	<p><b>Methods/Activities:</b></p> <p><b>Science Starter: SciMethProblem</b> <b>**Finish Penny lab (see note previous day).</b></p> <p>Teacher will present an interactive power point on Variables. Students will identify types of variables.</p> <p>Teacher will read What is a hypothesis to students. Students will then write a question on their notecard (encourage questions that could be tested). Students will then trade cards with their shoulder partner and write a hypothesis for the question using an if...then... statement. Note that some questions cannot be put into an if then statement. Those hypothesis must be written in a different way. Have students share and discuss.</p> <p>Now put students in groups of 4. Each group should have a scribe who will make a T chart titled Observation/Conclusion. Give groups puzzle envelopes. Ask groups to take out 3 pieces and write what they observe and what conclusion they have about what their puzzle pieces are. Then repeat 3 more times. At that point ask the groups if they want to consult with the other groups to figure gain more information. Allow groups to travel around the room confer with each other. Finally groups should take out all the pieces and put their puzzle pieces together and then all the groups will work to put the entire puzzle together. Discuss how this is similar to what scientist do when doing laboratory research and testing.</p>
<p><b>Materials/Resources:</b></p> <p>Lab equipment ppt. and notes. Lab Safety test.</p>	<p><b>Materials/Resources:</b></p> <p>Guess the lab tool ppt. Scimeth ppt. and flow chart, Notecards, Pennies lab report, Pennies, beakers and pipettes.</p>	<p><b>Materials/Resources:</b></p> <p>Variables ppt., Notecards (hypothesis), puzzle pieces.</p>
<p><b>Assessment:</b></p> <p><input type="checkbox"/> Assignment checked (not graded)</p> <p><input type="checkbox"/> Conference with student</p> <p><input type="checkbox"/> Graded assignment</p> <p><input type="checkbox"/> Homework</p> <p><input type="checkbox"/> Oral response/Teacher observation</p> <p><input type="checkbox"/> Project/Presentation</p> <p><input checked="" type="checkbox"/> Test/Quiz</p> <p><input type="checkbox"/> Other</p>	<p><b>Assessment:</b></p> <p><input type="checkbox"/> Assignment checked (not graded)</p> <p><input type="checkbox"/> Conference with student</p> <p><input checked="" type="checkbox"/> Graded assignment</p> <p><input type="checkbox"/> Homework</p> <p><input type="checkbox"/> Oral response/Teacher observation</p> <p><input type="checkbox"/> Project/Presentation</p> <p><input type="checkbox"/> Test/Quiz</p> <p><input type="checkbox"/> Other</p>	<p><b>Assessment:</b></p> <p><input type="checkbox"/> Assignment checked (not graded)</p> <p><input type="checkbox"/> Conference with student</p> <p><input type="checkbox"/> Graded assignment</p> <p><input type="checkbox"/> Homework</p> <p><input checked="" type="checkbox"/> Oral response/Teacher observation</p> <p><input type="checkbox"/> Project/Presentation</p> <p><input type="checkbox"/> Test/Quiz</p> <p><input type="checkbox"/> Other</p>