

Ms. Glemaud
Emergency Lesson plan #1
Biology: What Is Science?

<p>1.1.1 Explain what the goal of science is. 1.1.2 Explain what a hypothesis is.</p> <p>Vocabulary: science, observation, data, inference, hypothesis Technology: overhead projector, computer, smart board Materials: Text book: <u>prentice Hall Biology, (Read pg 3-7)</u> Handout Pacing: 50 minutes</p>	<p>National Standards II, A.1, A.2, G.1, G.2</p>	<p>State Standards SC.H.1.4.1, SC.H.1.4.3</p>
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1. FOCUS (10 minutes)



Reading Strategy

Tell students that for each of the blue heads in the section they should write at least one phrase about how a scientist approaches a scientific task. **L2**

2. INSTRUCT: Activity (30 minutes)

1. **Student will read aloud: What's the Method by Trista L. Pollard**
2. Answer questions 1-8 about the reading
3. Define the following terms: Science, observation, data, inference, hypothesis, procedure, controlled variable, scientific method, independent, dependent variables, theory, law, qualitative data, quantitative data, experimental group and control group
4. Students will read a prompt and design an experiment.
5. **Chapter assessment page 31 # 1-11, 14 and 21**
6. **Preparing for the FCAT pg 33 # 1**

3. ASSESS (10 minutes)

Evaluate Understanding

Have students explain what a hypothesis is and three ways in which one may arise. **L2**

Reteach

Ask students to explain what quantitative and qualitative observations a biologist might make about the manatee in Figure 1–2.