Mr. Norris's Lesson Plans 08/12-08/16

08/12	Math
Mon.	**Pretest-Topic 3 Place Value (4.NBT.1-3)** Students will pretest topic 3 using the Topic 3 Test found on p.84-85 of the textbook. (Lesson 3-1: 6,8,13; Lesson 3-2: 12,14,17; Lesson 3-3: 1,2,18; Lesson 3-4: 3,5,15,19; Lesson 3-5: 7,10,11; Lesson 3-6: 4,9,16) **HW: none**
	Science
	S4CS3: What Are Inquiry Tools? Introduce the topic by asking the students to name some tools they know about. Do different jobs require different tools? Today we will talk about tools scientists use. Read "Tools for Measuring Distance" What are some units we use in measuring distance? Why do we use standard measures? Read "Tools for Measuring Volume" What are some units we use in measuring volume? How do we find the volume of a solid object? Read "Tools for Observing and Handling" What is a microscope? Why is the microscope in the picture called a light microscope? Read "Other Tools" Why is it important to balance the pans before measuring mass with a pan balance? What is the difference between mass and weight?
08/13	Math
Tues. Place Value Blocks Graph Paper	**3-1: Read and write multi digit whole numbers (4.NBT.2)** 1. Daily Common Core Review 2. Develop the Concept: Interactive Students who got problems 6, 8, and 13 correct on the pretest will be given the Quick Check Master to complete while the other students are introduced to today's topic using place value blocks and their drawings. 3. Develop the Concept: Visual Students who get 4 of the 5 problems correct on the QCM will be allowed to "test out" of the day's lesson and work in pairs to complete advanced center activity 3-1. Everyone else will receive a mini lesson on place value including writing numbers in standard, word, and expanded forms. 4. Close/Assess and Differentiate Give the QCM to the students who have not completed it. Students correctly answering 0-4 problems will receive the Reteaching Master, 5-6 problems the Practice Master, and all 7 problems the Enrichment Master. **HW:**
	Science
	S4CS1 What Are Inquiry Skills? Introduce the topic by asking the class if anyone knows what skill a scientist uses the most often? Today we will learn about many skills scientists use. Read "Observe and Infer" What is the difference between observing and inferring?

	Read “Predict” How are predictions different from guesses? Continue on Weds.
08/14	Math
Weds. Place Value Chart Place Value Blocks	**3-2: Recognize that a digit in one place represents ten times that of the digit to its right (4.NBT.1)** 1. Daily Common Core Review 2. Develop the Concept: Interactive Students who got problems 12, 14, and 17 correct on the pretest will be given the Quick Check Master to complete while the other students are introduced to today’s topic using place value chart. 3. Develop the Concept: Visual Students who get 4 of the 5 problems correct on the QCM will be allowed to “test out” of the day’s lesson and work in small groups to complete advanced center activity 3-2. Everyone else will receive a mini lesson on place value relationships. 4. Close/Assess and Differentiate Give the QCM to the students who have not completed it. Students correctly answering 0-4 problems will receive the Reteaching Master, 5-6 problems the Practice Master, and all 7 problems the Enrichment Master. **HW:**
	Science
	S4CS1 What Are Inquiry Skills? Finish from Tues. Read “Compare, Classify, and Use Numbers” What does it mean to classify? Read Time/Space Relationships and Models” When do scientists use models? Read “Measure and Estimate” How is an estimate different from a measurement? Read “Plan and Conduct an Investigation” What is a hypothesis? What is an experiment? Read “Identify Variables and Gather/Display Data” Why is it important to control variables? Read “Draw Conclusions and Communicate” What does it mean if your results do not support your hypothesis?
08/15	Math
Thurs. Place Value Chart Place Value Blocks	**3-3: Compare two multi digit numbers (4.NBT.2)** 1. Daily Common Core Review 2. Develop the Concept: Interactive Students who got problems 1, 2, and 18 correct on the pretest will be given the Quick Check Master to complete while the other students are introduced to today’s topic using place value blocks and charts. 3. Develop the Concept: Visual Students who get 4 of the 5 problems correct on the QCM will be allowed to “test out” of the day’s lesson and work in teams to complete advanced center activity 3-3. Everyone else will receive a mini lesson on comparing

	numbers using place value. 4. Close/Assess and Differentiate Give the QCM to the students who have not completed it. Students correctly answering 0-4 problems will receive the Reteaching Master, 5-6 problems the Practice Master, and all 7 problems the Enrichment Master. **HW:**
	Science Lab (HMS Bounty)
	S4CS3 Measuring with Straws Observe: Have the students look at the picture of the Aura satellite on p.2 of their books. What does this satellite measure? Question: Is it important that scientists all use the metric system of measurement? Why don't we just use everyday objects to measure? Hypothesis: I think it is important/is not important that scientists all use the same system because… Experiment: Use straws to measure the length and width of several objects. Record your measurements. Now use straws to measure the circumference of a round object. Record your measurements. Next, use straws to measure the volume of water in one of the cups. Record your measurements. Draw Conclusions: I learned that scientists need to use the same system of measurement because… (use your data to support your conclusion).
08/16	Math
Fri. Place Value Chart Graph Paper	**3-4: Extend comparisons by putting more than two multi digit numbers in order (4.NBT.2)** 1. Daily Common Core Review 2. Develop the Concept: Interactive Students who got problems 3, 5, 15, and 19 correct on the pretest will be given the Quick Check Master to complete while the other students are introduced to today's topic using Recording Sheet: Comparing and Ordering Whole Numbers. 3. Develop the Concept: Visual Students who get 4 of the 5 problems correct on the QCM will be allowed to "test out" of the day's lesson and work in pairs to complete center activity 3-4. Everyone else will receive a mini lesson on ordering numbers based on place value. 4. Close/Assess and Differentiate Give the QCM to the students who have not completed it. Students correctly answering 0-4 problems will receive the Reteaching Master, 5-6 problems the Practice Master, and all 7 problems the Enrichment Master.
	Science Lab (HMS Victory)
	See above: Measuring with Straws

Math Vocabulary: digits, place value, standard form, expanded form, word form, and compare.