

**Second Grade
Trailblazers Unit 1
“Welcome to Second Grade”**

State Goals and Objectives Met in Unit 1:

1.01, 1.03, 1.04, 2.01, 4.01, 5.02

What North Carolina expects your child to learn:

<http://www.ncpublicschools.org/curriculum/mathematics/scos/2003/k-8/16grade2>

How Math Trailblazers meets the state’s goals (Click to pg 17):

<http://www.kendallhunt.com/uploads/2/CORR-NC-MTB2.pdf>

What your child will do in this unit:

1. During this ongoing activity students work with the calendar and money for the first 100 days of school.
2. During a teacher-guided lab, there is an investigation of students’ birth months. The TIMS Laboratory Method is introduced.
3. After listening to a book about animal groups, students solve word problems involving animals.
4. Students solve word problems involving animal trading cards and money. They write number sentences and compare problem-solving strategies.
5. Students discuss strategies while solving addition problems.

Unit Vocabulary

<i>bar graph</i>	<i>least common</i>	<i>most common</i>	<i>prediction</i>	<i>addend</i>
<i>strategy</i>	<i>sum</i>	<i>ten frame</i>		

Second grade glossary link: http://www.kendallhunt.com/uploads/2/MTB_Gr2_Glossary.pdf

Manipulatives and Supplies

What your child will use:

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
4 jars labeled: <i>pennies, nickels, dimes, and quarters</i> 100 pennies 20 nickels 10 dimes 4 quarters	Birth months Data table and graph	20 beans or counters per student pair	Connecting cubes, beans, or counters	25 envelopes or Ziploc bags and 20 beans or counters per student pair

Unit Assessment Indicators

What your child is expected to learn:

- Can students use data to solve problems?
- Can students use math facts strategies to add?

- Can students add and subtract using manipulatives, pictures, and ten frames?
- Can students solve addition and subtraction problems and explain their reasoning?
- Can students solve problems in more than one way?
- Can students solve problems involving money?
- Can students represent numbers using ten frames?

Student Friendly Books/Unit Literature:

- *Two's Company* Shirley Greenway
- *A Cache of Jewels and Other Collective Nouns* Ruth Heller

Websites to Explore

- Great practice for Lessons 1 – 5. Go to *Rainforest Math* at <http://www.rainforestmaths.com/> and click on level C, then choose “Data” on the last row of the menu.
- Practice addition - <http://www.rainforestmaths.com/> Click on Level C and choose “Addition” on the first row. Do the first two activities in the list on the left.
- More Addition Practice: <http://www.dositey.com/addsub/addex1.htm>
- Subtraction Practice: <http://www.dositey.com/addsub/sub1dig.html>
- Addition Surprise – <http://www.harcourtschool.com/activity/add/add.html>

How you can help your child:

- ✓ Explore and play the [200s Chart](#)
- ✓ Please donate buttons to your child’s teacher for use in Unit 3. Thank you. :)
- ✓ Help your child with the addition facts by using the Ten Frames Game.

Helpful Computer Programs and Software:

- ❖ *Combining and Breaking Apart Numbers* explores different number combinations that make up a target number.
- ❖ *Math Concepts One...Two...Three!* Explores counting, estimation, comparing, and ordering numbers as well as the concepts of addition and subtraction with manipulatives and money.
- ❖ *Mighty Math Carnival Countdown* develops the concept of equals and more and less using numbers up to 1000. Students count and develop understanding of the basic operations.
- ❖ *Mighty Math Zoo Zillions* practices basic operations, rounding, skip counting, and identifying even/odd numbers. Students solve word problems with basic operations while manipulating fish in a tank. They also practice identifying, counting, adding, and subtracting money.
- ❖ *The Penny Pot* provides practice with counting coins.
- ❖ *Sunbuddy Math Playhouse* practices basic addition and subtraction facts. Students also explore time and the calendar