



**Weekly Sheet for 2<sup>nd</sup> Grade STEM**  
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**Week #11, 11/07/11 – 11/11/11**

**Topics/Content/Skills:**

- Addition/Subtraction/Multiplication Fact Families
- Adding\_ Subtraction (Mental Math)
- Word Problems
- Matter and Atoms

**Skills:**

- Understand how to add and subtract numbers mentally
  - Ability to add numbers quickly mentally by understanding what it means to add + 3 or 4 to a number
  - Ability to add numbers quickly mentally by understanding what it means to add 10, 100 or 1000 to a number
- Understand key words to look for in word problems to understand what type of equation to use to solve it.
- Understand how to construct a tower out of popsicle sticks for the upcoming competition
- Students know all matter is made of small particles called atoms, too small to see with the naked eye. They will know that atoms consist of 3 main particles: electrons, neutrons and protons.
- Understand that matter exists in 4 primary states and that they change states as a result of heating and freezing.

**Vocabulary/Key Terms/Formulas:**

Matter, Melting, Freezing, Evaporation, Solid, Liquid, Gas, Plasma, Electron, Proton, Neutron, Condensation, Mass

**Homework/Classwork: (All homework is due the next class day unless indicated.)**

	<b><u>In Class</u></b>	<b><u>Homework</u></b>
<b><u>Monday</u></b>	Tower Building Addition Fact Families (Add 3) Mini Test: Review3 in Singapore	Singapore Worksheet 2H
<b><u>Tuesday</u></b>	Computer Lab: Practice	Singapore Math 2A: Exercise 27

	Addition Fact Families (Add 4)	Group B (Intensive 2A Packet) Homework: Matter
<b><u>Wednesday</u></b>	Matter and Atoms – Electrons, Neutrons and Protons	Matter and Atoms Worksheet
<b><u>Thursday</u></b>	Matter and Atoms Demonstration	Singapore Math 2A: Exercise 28 Group B (Intensive 2A packet)
<b><u>Friday</u></b>	Mastery Test # 6 Computer Practice (One-on-one help)	Singapore Math 2A: Ex. 29 and 30 Group B (Intensive 2A packet)

**Tests/Due Dates:**

Friday: Students will have a Mastery Test covering the following topics:

Place Value, Adding, Subtracting, Word Problems, Matter, Newton's Laws of Motion, Gravity, Money, Friction, Naming Polygons, Multiplication, Matter, Atoms

**Special Events/News:**

**Extraordinaries/Mastery Review Topics:**

**Other Information**

Parents: I apologize for the delay on the Mastery Sheets. These will be ready on Friday. Thank you!

Websites for practice:

- Students can practice their math skills at the following website: [www.ixl.com](http://www.ixl.com). They know their passwords and logins. If they forget, you may email me to get the login and password information.