



## **7th grade Curriculum Overview**

**Math:** *Some of the skills and topics your child will be learning about this year in math class are:*

- Developing problem-solving skills and strategies
- Evaluating and simplifying algebraic expressions
- Solving algebraic equations
- Using proportional reasoning
- Constructing geometric figures
- Finding volumes and surface areas of 3D shapes
- Graphing data & analyzing statistical sampling methods
- Identifying events, outcomes, and sample spaces

**Practice, review and prepare yourself with the help of these websites:**

- [www.timestables.com](http://www.timestables.com)
- [www.helpingwithmath.com/by\\_grade/gr7\\_worksheets.htm](http://www.helpingwithmath.com/by_grade/gr7_worksheets.htm)
- [www.khanacademy.org/math/cc-seventh-grade-math](http://www.khanacademy.org/math/cc-seventh-grade-math)
- [www.coolmathgames.com/](http://www.coolmathgames.com/)

### **Science:**

- applying the scientific method
- analyzing data
- geology, rock formations
- plate motion
- phase change
- chemical reactions
- matter and energy in ecosystems

***Over the summer, it is highly recommended for students to start a rock collection (it does not need to be large or extensive). Students are encouraged to write down their observations on the rocks and note where they found them.***

**Reading/ Writing:** *In Seventh grade, some of the concepts we will learn are how to:*

- Analyze how themes develop in a text.
- Engage effectively in collaborative discussions.
- Develop personal narratives.
- Write to effectively engage the reader.
- Explore how literature and art serve as a vehicle for social change.
- Explore poetry and how writers experiment with language, structure, and sound.
- Explore how writers and speakers develop effective arguments with claims, counterclaims, sound reasoning, and relevant and sufficient evidence.

***\*Students should prepare to be reading books of their choice every day throughout seventh grade and submitting book reports (two per quarter).***