

***Sixth Grade Mathematics Syllabus***  
**2015-2016**

**Class:** Mathematics

**Teacher:** Ms. Adrienne Jacobs

**Room:** 154

**Email:** Jacobs.a@valleyacademycharter.com

**Course Description:** Sixth grade mathematics at Valley Academy Charter is a dynamic and challenging program. Through inquiry-based learning, which includes hands-on activities and experiences, students will ask and answer meaningful and thought provoking questions, share new and important knowledge with others and practice math processes.

**Essential Standards:**

**Ratios and Proportional Relationships**

- Understand ratio concepts and use ratio reasoning to solve problems.

**The Number System**

- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Compute fluently with multi-digit numbers and find common factors and multiples.
- Apply and extend previous understandings of numbers to the system of rational numbers.

**Expressions and Equations**

- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.

**Geometry**

- Solve real-world and mathematical problems involving area, surface area, and volume.

**Statistics and Probability**

- Develop understanding of statistical variability.
- Summarize and describe distributions.

**Grading:** Grading is done on a percentage system as follows:

Tests	40%
In Class Work & Projects	20%
Assignments/Participation	30%
Notebook	10%

Scale:

- A = 90-100
- B = 80-90
- C = 70-80
- D = 60-70
- F = 0-59

**Homework:** Homework will usually consist of work necessary to reinforce concepts introduced in class and preparation for tests. A minimal amount of parental assistance may be necessary. Most of the assignments can be completed in class; however, you should expect to see homework from time to time.

**Make-Up Work:** A student who has an excused absence from class is to be permitted to make up those assignments that he/she has missed. It is the student's responsibility to inquire about the work that was missed. Late assignments will be penalized five points per day late for the first four days. After that, the assignment may be turned in for half credit.

**Communication with Parents:** Clear and open communication between Student-Teacher-Parents is vital to instruction. Please send a note, leave a phone message, or send an email. If you need to reach me, please email me at Valley Academy Charter School. I will be glad to discuss any issue you have.

**Resources:** Students will engage in learning experiences, which involve both mathematic and technological content and processes. Therefore, students will be doing research with computers and the internet. Occasionally, students will be expected to display data collected during lab using a spreadsheet and type their reports with a word processor. Students will also learn from state text, videos, literature, magazines, and guest speakers.

**Technology: Vision Statement**

- To produce globally-competitive, lifelong learners through rigorous and relevant curriculum taught by highly prepared visionary leaders who recognize the importance of engaging a diverse body of learners.
- To provide 21st Century resources

**Teaching Strategies:** *Teaching Styles that describe myself:*

- Help every child in the classroom become a lifelong learner and to help every child reach his or her dreams
- Students can feel safe and comfortable
- Classroom where effective learning takes place, it must be an area in which everyone respects, encourages, and cares for one another
- Create a collaborative working environment
- In the classroom, students work independently as well as in dynamic pairs and groups
- School webpage's, e-mail, online grade books, and educational websites help parents and teachers take advantage of technologies to bridge the communication gap and build family-school partnerships.
- Interactive learning experiences
- Learning through use of lap tops, PowerPoint presentations, notes, worksheets, flashcards, and tutorial videos.
- Classroom discipline enforced
- Conduct structured lessons that involves interaction throughout the class
- Project oriented lessons
- Use of Science notebook that contains vocabulary, notes, and labs.
- Lessons that involve initiative with a high level of energy
- Lessons developed through a pacing guide that aligns with Utah State Common Core Objectives and Standards.
- Caring and sensitive to the students needs.

I have read and understand this syllabus.

Student Signature\_\_\_\_\_ Parent Signature\_\_\_\_\_