In seventh grade math, students will:

* Work individually, in partnerships, and in groups
* Develop problem-solving strategies, solve problems, practice algorithms, and communicate the process they use to complete various mathematical challenges.

Sequence of Topics:

|  |  |
| --- | --- |
| **Unit 1** | **Operations with Rational Numbers**  Focus on positive and negative rational numbers. |
| **Unit 2** | **Algebraic Reasoning**  Introduction to variables, tables, graphs, and equations. |
| **Unit 3** | **Rigid and Non-Rigid Transformations; Triangles and Angle Relationships**  Focus on congruent and similar figures. |
| **Unit 4** | **Ratios, Rates, Percents, and Proportions**  Using ratios, rates, percents, and proportions for solve real-world problems. |
| **Unit 5** | **Two- and Three-Dimensional Geometry**  Area/perimeter of circles, exactness of Pi, cross sections, nets, surface area, volume |
| **Unit 6** | **Linear Relationships**  Recognition of linear relationships and solving one variable linear equations |
| **Unit 7** | **Inferences about Population; Statistics**  Data sampling and comparative inferences. |
| **Unit 8** | **Probability**  Simple and compound probabilities. |

**Materials Needed for Class:**

* Pencils/erasers
* A 1½ inch three ring binder that includes a supply of paper/notebook
* Calculator (TI-30 is recommended)

**In the event of absence:**

Students are required to make up any missing assignments and/or tests in accordance with Avon Middle School policy. Students should look online for assignments and see the teacher for any worksheets/handouts given in his or her absence.

**Extra Help:**

Flex period is the primary period when I am available for assistance. Extra help beyond the school day is available upon request.

**Questions, Comments, Concerns**

* Visit my website at http://mrnetkovick.weebly.com/
* Send me an email: mnetkovick@avon.k12.ct.us

**Grading Policy**

The final grade will be calculated based upon the following weighted system:

10% Homework

10% Note taking

10% Daily Math Review Quizzes

20% Formative Assessments and Projects

50% Summative Assessments

**Homework**

* Given almost daily and always reviewed in some manner by the teacher.
* Assignment is always posted on my web site by 4:00 p.m.
* Homework should be completed in pencil and all work must be shown!
* Grading Rubric for homework:
  + 100% - on-time assignments.
  + 80% - assignments completed, but not on time.
  + 0% - Partially completed homework that is not re-submitted or missing assignments.

**Math Binder**

Students are required to maintain a binder that includes all required materials.

**Tests & Quizzes**

Formative and summative assessments will be announced at least three days in advance. To prepare, students should review previous homework and their notes, and work through unassigned homework problems from your book. In most instances, students will be given study tips so they know what topics will be covered.

**Moving from the Academic level in 7th Grade to the Honors level in 8th Grade**

This is the criteria that the 7th grade math department will be using to recommend a student move from academic math to honors math in grade 8.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Type | Student Score | Level of Performance | Weighted Points | Points Earned |
| May 2019 | Spring Placement Test |  |  | **25** |  |
| May 2019 | Linear Relationships  Unit Test |  |  | **25** |  |
| May 2019 | Unit Test Average |  |  | **20** |  |
| May 2019 | DMR/DGR Average |  |  | **10** |  |
| Fall or Spring | DRP (Best) |  |  | **10** |  |
| August 2018 | 6th Grade SBAC |  | **3** | **10** |  |
| Total |  |  |  | **80 or greater needed for placement** |  |

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_