

## Jackson Hole Middle School Mission Statement:

*Jackson Hole Middle School provides students with an innovative and exceptional education that instills integrity and promotes achievement in a diverse world.*

## Algebra I Course Syllabus

**Teacher:** Kathy Vaughn

**Course Title:** Algebra I

### Course Standards/Objectives:

1. **NUMBER OPERATIONS AND CONCEPTS:** Students use numbers, number sense, and number relationships in a problem-solving situation.
2. **ALGEBRA:** Students use algebraic methods to investigate, model, and interpret patterns and functions involving numbers, shapes, data, and graphs in a problem-solving situation.
3. **DATA ANALYSIS AND PROBABILITY:** Students use data analysis and probability to analyze given situations and the results of experiments.

### Course Materials/Supplies:

➤ <i>A three-ring binder, 1.5 inch (Slant ring or D ring the best) with a clear plastic cover that allows you to insert a page</i>	➤ <i>Four dividers for the notebook</i>  ➤ <i>Pencils</i>	➤ <i>100-150 sheet pack of lined loose-leaf paper (no, a spiral notebook will not do!)</i>
➤ <i>Some graph paper (25 sheets for the year should do it)</i>	➤ <i>A zippered pouch that will go into your three ring binder (to keep the pencils you will always need to have)</i>	➤ <i>HP TI84+ calculator for home use, if possible</i>

### Grading Scale:

97.5–100+%	A+	92.5–97.499	A	89.5–92.499	A-
87.5–89.499%	B+	82.5–87.499	B	79.5–82.499	B-
77.5–79.499%	C+	72.5–77.499	C	69.5–72.499	C-
67.5–69.499%	D+	62.5–67.499	D	59.5–62.499	D-
Below 59.5%	F				

**Textbook:** *The University of Chicago School Mathematics Project Algebra*. This is a new textbook and curriculum for this year.

**Calculators:** Graphing calculators are an integral part of this curriculum. The school is purchasing classroom sets of graphing calculators. It is our recommendation that students have a TI84+ graphing calculator at home, if possible. They will be able to use this calculator in all high school math and science classes until calculus.

**Course Grading Specifics:**

	Description	% of total grade
<b>Tests</b>	Tests are given at the end of each unit. In addition, a cumulative final will be given at the end of the course.	1 <sup>st</sup> quarter 85% 2 <sup>nd</sup> quarter 85% 3 <sup>rd</sup> quarter 90% 4 <sup>th</sup> quarter 90%
<b>Homework</b>	Homework is given virtually every. Homework should take between 45 and 60 minutes per night. Nightly homework will also include pre-reading the next day's section.	1 <sup>st</sup> quarter 15% 2 <sup>nd</sup> quarter 15% 3 <sup>rd</sup> quarter 10% 4 <sup>th</sup> quarter 10%
<b>Other</b>	Notebooks are due at the beginning of the period on test day and will be graded on a variety of criteria including neatness and completeness. Keeping the textbook covered and in good condition will yield occasional extra points.	Included in homework score
<b>Writing Guidelines</b>	On written work, students will be expected to follow the JHMS Cross-Curricular Writing Guidelines detailed in their agenda.	Included in normal grading

**Homework:** Homework is given virtually every day. Homework should take between 45 and 60 minutes per night. Students will grade their own homework and record their scores. Nightly homework will also include pre-reading the next day's section. If students choose to, they may redo missed problems on a separate paper, re-grade, and use their improved score. Assignments with more than 30% of problems incorrect should have missed problems redone. All homework and notebooks for a particular unit are due at the beginning of the period on the day of the test. All homework must be completed in pencil!

**Make Up Procedures:** Students are responsible for keeping track of and making up missed work. If students are ill, parents may request make-up work on the second day of the illness. Since I provide an assignment sheet for the chapter, students are aware of the missed assignments. For every day absent due to illness, students have two days to make up the work. All assignments must be completed by the day of the test unless arrangements are made in advance.

If you know you will be absent from school, please bring a note from your parents and turn it in to our head secretary. She will give you a pre-excused absence form for you to fill out with your assignments. This should be completed at least two days prior to your absence. Make sure you are clear about the expectations and due dates of assignments before you leave.

**After School Help:** After school homework help will be held. See each chapter's homework sheet for specific nights. Any student needing additional assistance is welcome to schedule time for help.

**Contact Information:** E-mail address: kvaughn@teton1.k12.wy.us (this is the easiest way to contact me)  
School: 733-4234 after 2:35