

Applied Math Course Outline

Teacher Information

Teacher:	Mr. Brad Jones
Office Hours:	30 minutes before school, plan period(8:15-9:05) or by appointment
School e-mail:	jonesb@lawson.k12.mo.us

Classroom Rules & Procedures

- ✓ Be prompt and prepared for class.
 - Bring supplies to class (book, paper, pencil, pen, notebook and calculator).
 - Stay seated throughout class.
 - Assignments out and ready to check.
 - Come rested and ready to work. (Your head will remain off the desk or you will stand)
- ✓ Be Respectful.
- ✓ Do not go behind Mr. Jones desk.
- ✓ No food or drink in the classroom.
 - You may have water in a bottle with a cap (not flavored/colored).
 - You may chew gum, but if I see it or hear it – you will lose that privilege.
- ✓ Do not write in/on the textbooks.
- ✓ Give 110% at all times.
- ✓ Ask Questions!!!! - If you need extra help or don't understand something it is your responsibility to let me know.
- ✓ Have fun and enjoy math.
- ✓ Two bathroom passes per quarter.
 - Must have the ticket to go and tickets can roll over to other quarters.
 - Ticket does not guarantee a trip to the bathroom.
- ✓ Be Responsible
- ✓ The bell does not dismiss you, Mr. Jones does.
- ✓ No cell phones in class- If I see it I take it.
- ✓ Students are to keep a three ring notebook of all bellwork, notes, homework, handouts and grade sheets. This will be graded quarterly.
- ✓ Homework will be 40% and Test/Quizzes/Projects/Notebook will be 60% of the final grade.
 - ❖ Rules and Procedures may be added or omitted at Mr. Jones discretion.

Assignment Guidelines

- ✓ Papers with no name will not be graded, result in a zero.
- ✓ All work is to be done in PENCIL and grading in PEN.
- ✓ It must be legible and easy to follow. Don't run problems together. If I can't read it, it's wrong.
- ✓ Show all work. You must copy the problem (except word problems) and show enough steps to communicate your thought process. Partial credit may be given at any time. Using an answer book is considered cheating.
- ✓ No work will be accepted with a ragged edge from a spiral notebook.
- ✓ Multiple pages are to be stapled together and all pages should have the student's name and date
- ✓ Homework may be graded as a class, If you make grading errors you will earn a zero for academic dishonesty.

Late work/ Attendance Policy

- ✓ No late work will be accepted. All work is due as assigned whether you are in school or not. If you are missing class for a school sponsored event or sports, your assignment is still due on the same day. It can be handed in to my mailbox in the office, slipped under the classroom door.
- ✓ If a student is absent the day before a test, the student will be expected to take the test as scheduled. If they miss 3 or more days before a test, they may postpone the test.

Classroom Management Steps

- ✓ Verbal warning.
- ✓ Change of seating.
- ✓ Hallway meeting with Mr. Jones.
- ✓ 30min detention with Mr. Jones before school.
- ✓ Principle Referral.
 - ❖ Steps can be skipped or added where Mr. Jones feels necessary.

Grading

100 – 95 %	A	82 – 80%	B-	69 – 67%	D+
94 – 90%	A-	79 – 77%	C+	66 – 63%	D
89 – 87%	B+	76 – 73%	C	62 – 60%	D-
86 – 83%	B	72 – 70%	C-	Less than 60	F

- ❖ Grades will include: Daily Homework, Quizzes, Test, Notebook, Participation, Research Papers, and Projects. Others may be added at Mr. Jones discretion.

Skills and/or Competencies to be covered

Text- Saxon Math: Course 3 (S. Hake, Harcourt Achieve; 2007)

- ✓ Whole Numbers: Reading and Writing, Rounding, Adding, Subtracting, Multiplying, Dividing
- ✓ Decimals: Naming, Reading and Writing, Rounding, Adding, Subtracting, Multiplying, Dividing
- ✓ Fractions and Mixed Numbers: Factoring, Greatest Common Factor (GCF), Least Common Multiple (LCM), Simplifying Fractions, Fractions to Decimals, Decimals to Fractions, Adding, Subtracting, Multiplying, Dividing, Common Denominator
- ✓ Algebraic Expressions and Integers: Variables, Expressions, Order of Operations, Evaluating Expressions, Adding, Subtracting, Multiplying, Dividing, Distributive Property, Simplifying
- ✓ Equations: Word Problems, Solving One-, Two- and Multi- Step Equations with Integers, Decimals, Fractions by Adding, Subtracting, Multiplying, Dividing
- ✓ Inequalities: Graphs and Graphing, Solving One-, Two- and Multi-Step with Integers, Decimals, Fractions by, Adding, Subtracting, Multiplying, Dividing
- ✓ Factors, Fractions and Exponents: Divisibility, Factoring, Product Property of Exponents, Quotient Property of Exponents, Powers of Products and Quotients, Reading/Writing Scientific Notation, Adding, Subtracting, Multiplying, Dividing with Scientific Notation
- ✓ Ratios, Proportions, Percents: Fraction Form, Solving Proportions, Word Problems, Similar Figures, Converting, Percent of Change, Markup, Tax, Discount
- ✓ Linear Equations, Inequalities and Systems: Plotting, Slope, Slope-Intercept, Reading/Writing, Graphing
- ✓ Probability: Compound, Simple, Dependent, Independent Events, Odds, Experimental, Theoretical
- ✓ Geometry: Drawing and Measuring Angles, Angle Relationships, Parallel Lines, Triangles, Quadrilaterals, Transformations (Rotations, Translations, Reflections, Dilation) Circles (Circumference, Area, Radius, Diameter, Measuring), Area(Parallelograms, Triangles, Trapezoids)
- ✓ Solid Figures: Classifying, Volume (Prisms, Cones, Pyramids, Cylinders, Spheres), Surface Area (Prisms, Cones, Pyramids, Cylinders, Spheres)
- ✓ Right Triangles: Square Roots, Pythagorean Theorem, Distance Formula
- ✓ Polynomials: Adding, Subtracting, Multiplying (Polynomials, Binomials, Monomials)
 - ❖ Topics may be added or omitted at Mr. Jones discretion.

Student Signature: _____

Date: _____

Parent(s) Name: _____

Parent Signature: _____

Date: _____

Parent Phone Number/Email: _____

(My preferred communication is through email. If you prefer phone please note it.)

Aug-12