

CRATER ACADEMY OF HEALTH & PUBLIC SERVICE

Resource Math-Bridge to Algebra Syllabus 2016-17

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Course Outcomes

As a result of this class students will know, understand and be able to do the following:

1. Work a division problem that has a decimal divisor.
2. Computes the average for a set of data.
3. Solve percent problems, as well as ratio equations.
4. Work a mixed set of whole number, decimals and fraction problems that involve division, multiplication, addition, subtraction of a whole number and fractions with common and uncommon denominators, some of which may require renaming or regrouping.
5. Solve a mixed set of rate-equation, classification and comparison problems, some of which ask about the rate unit.
6. Solve a problem with letter terms on both sides of the equation.
7. Solve a pair of simultaneous equations by multiplying, combining equations and substitution.
8. Solve a problem that yields an equation and inequality statement involving two or more operations.
9. Plot a point from coordinates and write coordinates for a point using 4 quadrants.
10. Combine, multiply and divide a string of signed values.
11. Write the slope-intercept equation for a line.
12. Plot a line on the coordinate system for a given equation and involves a whole number slope.
13. Rewrite an expression to show the value of a numerical base and exponent.
14. Simplify/ Evaluate expressions including those with fractions, variables and negative values
15. Review basic geometry skills including perimeter, area, volume, circumference, radius and diameter.
16. Work a multi-step problem that involves complex area, circumference, perimeter, volume or tax.
12. Simplify and solve using absolute value.
17. Write numerical and variable statements from given situations.
18. Write the scientific notation for a number.

Course Description:

Resource Math (Bridge to Algebra) is a course designed for students who have IEP goals in the area of Math Calculations and/or Math Reasoning (Applied Math). Students are pre-assessed and taught specific skills targeted to increase foundational abilities according to individual academic need. Gaining skills necessary to be prepared for a general education algebra class is key. Essentials for Algebra and Bridge to Algebra are the primary curriculum used in this class. Students will be asked to follow a moderately paced instruction, working problems as a class and individually. Homework is required, as well as self-evaluation and correction of mistakes. Participation will be expected throughout each class period.

Grading Scale

A = 93-100
A- = 90-92.99
B+ = 88-89.99
B = 82-87.99
B- = 80-81.99
C+ = 78-79.99

C = 72-77.99
C- = 70-71.99
D+ = 67-69.99
D = 60-66.99
F = 0-59.99

Grading

30% - Homework
30% - Class Assignments/Activities
40% - Tests

Progress Reports: Parents and students may view class progress via internet (Synergy) at their leisure from home.

Paper progress reports will be mailed home or sent home through student.

Progress on goals/objectives will be mailed home within 1-2 weeks of trimester grade reports cards.

Course Work

Materials/Supplies: Pencil; Lined paper, basic calculator

Fees: None

Notebooks: None

Student Responsibilities to their School Community

CAHPS students are expected to conduct themselves in a manner that promotes a proper learning environment and reflects positively on themselves, their classmates, teachers, family and community. Each CAHPS student automatically becomes a citizen of our school, both receiving privileges and accepting responsibilities including:

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|-----------------------------|---|
| Respect of Property | Keep CAHPS a clean, neat and safe environment. |
| Respect of Authority | Show respect, follow direction and identify yourself and activity when asked. |
| Respect for Others | Show courtesy and tolerance; respect differences; make others welcome. |
| Respect for Self | Be successful and reach your full potential. Be the best you can be. |