

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**ALGEBRA 1 (4080)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

Expressions, Equations, and Functions  
Solving Linear Equations  
Graph Linear, Quadratic, and Exponential Functions  
Write Linear, Quadratic and Exponential Functions  
Solve and graph linear inequalities  
Solve systems of equations and inequalities  
Properties of exponents  
Polynomials and Factoring  
Data Analysis

It is standard for students to be able to:

- effectively use a graphing calculator,
- write, graph, create a table, or write a verbal description of a function given any 1 of the 4
- solve linear and quadratic equations
- write, simplify, and evaluate expressions, equations, and functions
- solve systems of equations in any method (graphing, substitution, or elimination)
- apply properties of exponents
- operate with polynomials
- factor a polynomial completely
- identify a function as either linear, quadratic, or exponential by its graph, equation, table, or description
- analyze data and use measures of central tendency

The following types of data and weightings will be used  
in determining your marking period grade:

Tests, Quizzes, & projects	90 %
Homework/Participation/In class assignments	10%

Per **New Milford School District Regulation #2624**,

**A** indicates superior work demonstrating a high degree of initiative, commitment, and understanding

**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

**F** indicates the student has not met the minimum requirements and has demonstrated an inability or unwillingness to master the basic elements of this course;  
a final grade of F receives no credit

Note: pluses and minuses are used to further differentiate a student's performance

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**Elements of Geometry (4015)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

1. Basics of Geometry
2. Segments and Angles
3. Parallel and Perpendicular Lines
4. Triangle Relationships
5. Congruent Triangles
6. Quadrilaterals
7. Similarity
8. Polygons and Area
9. Surface Area and Volume
10. Right Triangles and Trigonometry
11. Circles

It is standard for students to be able to:

- Develop a Mathematical vocabulary utilizing geometric terms
- State and apply geometric postulates and theorems in given context
- Apply general problem solving skills to particular problems
- Determine and apply knowledge of congruence with angles, and triangles
- Determine and apply knowledge of similarity with triangles
- Apply theorems concerning circles and spheres
- Compute and apply area and volume of plane and solid figures
- Compute distance, slope, and midpoint of lines, and segments

The following types of data and weightings will be used  
in determining your marking period grade:

Tests & Quizzes	90%
Homework/Class participation	10%

Per **New Milford School District Regulation #2624**,

**A** indicates superior work demonstrating a high degree of initiative, commitment, and understanding

**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

**F** indicates the student has not met the minimum requirements and has demonstrated an inability or unwillingness to master the basic elements of this course; a final grade of F receives no credit

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**Academic Geometry (4080)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving: Geometric terms

Types of angles

- Algebra in geometry
- Parallel and perpendicular lines
- Constructions using compass and straightedge
- Triangle properties
- Coordinate Geometry
- Proving triangles congruent
- Transformations

- Similarity and Area
- Quadrilaterals properties
- Circles, Chords, and Arcs
- Pythagorean Thm and special right triangles
- Trigonometry
- Volume and Surface Area
- Probability

It is standard for students to be able to:

- Define terms using the “what is it” and “what does it do” format
  - Identify and use special angles created by parallel lines
  - Find missing values in a diagram
  - Proving two triangles are congruent using transformations
  - Prove two triangles are similar using proportion
  - Prove properties of triangles, transformations, quadrilaterals, and circles using congruent triangles, slope, distance, midpoint, Pythagorean theorem.
  - Develop and use transformation rules.
  - Use a compass and straightedge to perform, various constructions:  
 duplicating angle and segment, creating parallel and perpendicular lines, bisecting an angle, perpendicular bisectors, inscribed triangles, quadrilaterals, etc...
  - Find the area, surface area, and volume for objects. Use similarity to find sides, areas, and volumes of similar objects.
  - Be able to develop and use arc, chord and angle relationships in a circle.
  - Define and use the definitions of Sine, Cosine, and Tangent (of an angle) and the Pythagorean theorem the 30-60-90 and 45-45-90 right triangles to “Solve” right triangles
  - Develop and use the area and volume formulas.
  - Solve basis probability problems  
 using And and Or, problems With and Without replacement, Conditional probability
- Be able to “model” real world situations with geometry, be it shadow problems, rotational velocity, density, landscaping, cost analysis, statistical predictions

The following types of data and weightings will be used  
 in determining your marking period grade:

Tests, quizzes & projects	90 %
Homework & classwork	10%

Per New Milford School District Regulation #2624,

**A** indicates superior work demonstrating a high degree of initiative, commitment, and understanding

**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

**F** indicates the student has not met the minimum requirements and has demonstrated an inability or unwillingness to master the basic elements of this course; a final grade of F receives no credit

Note: plusses and minuses are used to further differentiate a student’s performance

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**HONORS GEOMETRY (3980)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Congruence, Proof and Constructions
- Similarity, Proof, and Trigonometry
- Extending to Three Dimensions
- Connecting Algebra and Geometry through Coordinates
- Circles With and Without Coordinates
- Applications of Probability

It is standard for students to be able to:

- Experiment with transformations in the plane
- Prove geometric theorems
- Make geometric constructions
- Understand and prove similarity
- Define Trigonometric ratios and solve problems with right triangles
- Apply trigonometry to general triangles
- Explain area and volume formulas and use them to solve problems
- Use coordinates to prove geometric theorems algebraically
- Understand and apply theorems about circles
- Find arc length and area of sectors
- Understand independence and conditional probability and use them to interpret data
- Use probability to evaluate outcomes of decisions

The following types of data and weightings will be used  
in determining your marking period grade:

Tests & projects	100 %
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**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

**F** indicates the student has not met the minimum requirements and has demonstrated an inability or unwillingness to master the basic elements of this course; a final grade of F receives no credit

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**INTRO TO COLLEGE ALGEBRA (4020)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

Functions, Polynomials  
Linear Relationships, Rational Functions  
Matrices, Quadratic Equations, Relations  
Linear Systems and Functions  
Logarithmic Functions, Exponential Functions

It is standard for students to be able to:

- create and interpret graphical and algebraic models
- utilize counting methods
- display data using matrices
- apply matrices to model networks
- solve systems both graphically and algebraically
- identify and work with imaginary and complex numbers
- solve polynomial equations
- model and work with rational expressions and functions
- effectively use the tools of technology

The following types of data and weightings will be used  
in determining your marking period grade:

Tests, quizzes & projects	90%
Homework & Class Participation	10 %

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**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**ACADEMIC ALGEBRA 2 (4050)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

Linear Equations, Inequalities, Systems and Functions  
Absolute Value Functions and Transformations  
Quadratic Functions and Factoring  
Polynomials and Polynomial Functions  
Rational Exponents, Radical Functions and Rational Functions  
Logarithms, Logarithmic and Exponential Equations  
Data Analysis and Statistics  
Sequences and Series  
Trigonometric Ratios and Functions

It is standard for students to be able to:

- effectively use a graphing calculator,
- create and interpret graphical and algebraic models
- identify and work with imaginary and complex numbers
- solve quadratic equations by factoring, finding square roots, graphing, and using the quadratic formula
- use quadratic equations to solve word problems by finding maximum and minimum
- solve polynomial equations
- model and work with rational expressions and functions
- apply properties of logarithms, evaluate and solve logarithmic equations
- state and apply the properties of a -30, -60, -90 and -45, -90 triangle,
- define and use the positive and negative angles as they apply to the unit circle,
- define the trigonometric ratios and use them in determining
  - values for angles which are multiples of -30, -45, -90,
- convert angle measurement from degrees to radians and from radians to degrees,
- analyze sequences and series

The following types of data and weightings will be used  
in determining your marking period grade:

Tests, Quizzes & Projects	90%
Homework/Participation	10%

Per **New Milford School District Regulation #2624**,

**A** indicates superior work demonstrating a high degree of initiative, commitment, and understanding

**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**HONORS ALGEBRA 2 (4030)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

Linear Equations, Inequalities, Systems and Functions  
Absolute Value Functions and Transformations  
Quadratic Functions and Factoring  
Polynomials and Polynomial Functions  
Rational Exponents, Radical Functions and Rational Functions  
Logarithms , Logarithmic and Exponential Equations  
Trigonometric Ratios, Functions and Identities  
Data Analysis and Statistics  
Sequences and Series

It is standard for students to be able to:

- effectively use a graphing calculator,
- create and interpret graphical and algebraic models
- identify and work with imaginary and complex numbers
- solve quadratic equations by factoring, finding square roots, completing the square, graphing, and using the quadratic formula and apply this to real world problems: i.e volume and
- solve polynomial equations
- model and work with rational expressions and functions
- graph simple rational and general rational functions
- evaluate logarithms, apply properties of logarithms, evaluate and solve logarithmic and exponential equations
- graph and solve exponential growth and decay functions
- use the unit circle to express angles in both degree and radian measurements
- ,state and apply the properties of a -30, -60, -90 and -45, 45 -90 triangle,-apply to the unit circle
- define and draw positive and negative angles as they apply to the unit circle,
- define the trigonometric ratios , use them in determining values for angles which are multiples of  $30^\circ$ ,  $45^\circ$ ,  $90^\circ$ ,
- graph and interpret the graphs of  $y=\sin x$ ,  $y= \cos x$  and  $y= \tan x$
- work with trigonometric identities
- analyze sequences and series
- model inverse and joint variations

The following types of data and weightings will be used  
in determining your marking period grade:

Tests, Quizzes & Projects	100%
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**C** indicates average performance which demonstrates a satisfactory degree of proficiency

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**F** indicates the student has not met the minimum requirements and has dean inability or unwillingness to master the basic elements of this a final grade of F receives no credit

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**F.A.S.T. (4080)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Functions and graphing
- Modeling with algebra and solving equations
- Counting and number theory
- Statistics
- Trigonometry

It is standard for students to be able to:

- Determine the domain and range of a function (in interval notation) from :
  - A graph, an equation, a set of coordinates
- Evaluate a function from a graph and equation
- Graph the following types of functions:
  - linear, quadratic, square root, rational, exponential, trigonometric, piece-wise
- Determine certain characteristics of the graph of a function:
  - slope, y-int, x-int, vertex, axis of symmetry, vertical and horizontal asymptotes, growth and decay
- Solve log equations. Rewrite a log equation. Use properties of logs to expand/condense log expressions
- Evaluate expressions and solve equations using exponent rules. (negative exponents, rational exponents)
- Model situations, using various algebra techniques to solve (logs, vertex, quadratic formula...)
  - Linear systems: Find the break-even point, mixture problems, etc...
  - Quadratic: objects in motions, stopping distance, max area of a rectangle
  - Exponential : compound interest, carbon dating, population growth, half-life, natural growth/decay
- Define and use the trigonometric ratios to evaluate angles in a right triangle
- Sketch and label reference triangles 0 to 360 using the 30-60-90 and 45-45-90 right triangles.
- Convert angle measurement from degrees to radians and from radians to degrees,
- Draw the graphs of the trigonometric functions and examine them to determine for each amplitude, period, phase shift,
- Solve right triangles and non-right triangle (law of sines and cosines)
- Develop and evaluate the permutation and combination formulas
- Use Pascal's triangle and how it relates to  $nCr$ , coin tossing, number of subsets of  $n$  items, binomial expansion
- Determine the number of possibilities in a counting problem that includes:
  - license plates, cards, the outfit problem, determining the number of teams you can create by a certain number of boys and girls from a group of boys and girls, number of  $n$  digit numbers etc...)
- Solve counting problems that include: And and OR, mutually exclusive events, conditionally probability,
- Represent solutions visually with a tree diagram, Venn diagram, distribution table, conditional probability table
- Define an arithmetic, geometric, recursive sequence with an equation and use it to find the  $n$ th term
- Find the sum of a finite arithmetic sequence and geometric sequence, and an infinite geometric sequence.
- Explore visual sequence such as: triangular numbers, square numbers, Fibonacci and honey bees

The following types of data and weightings will be used  
in determining your marking period grade:

Tests, quizzes, projects	90 %
Homework/Classwork	10 %

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C indicates average performance which demonstrates a satisfactory degree of proficiency

D indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**ACADEMIC PRE-CALCULUS (4120)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Graphs
- Functions and their graphs
- Exponential and logarithmic functions
- Trigonometric functions
- Analytic trigonometry
- Applications of trigonometric functions
- Polar coordinates
- Analytic geometry
- Sequences and series

It is standard for students to be able to:

- use the rectangular coordinate system to graph equations, find intercepts, discuss symmetries; solve equations using graphs and graphing calculators
- graph lines and circles
- graph and know properties of functions
- identify exponential and logarithmic functions, graph them and solve problems involving them.
- identify the 6 trig functions, their domains, ranges and periods
- know the 8 basic trig identities
- graph the 6 trig functions
- evaluate inverse trig functions, verify trig identities, use trig identities and solve trig equations
- solve problems involving trigonometry using SOHCAHTOA, Law of sines, Law of cosines and area formulas
- graph on the polar coordinate plane, recognize graphs of polar equations and use Demoivre's theorem to find roots of complex numbers
- graph circles, ellipses, parabolas and hyperbolas
- work with arithmetic and geometric sequences and series

The following types of data and weightings will be used  
in determining your marking period grade:

Tests/Quizzes	90%
In-Class Assignments/Homework/Class Participation	10%

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**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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Note: plusses and minuses are used to further differentiate a student's performance

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**HONORS PRE-CALCULUS (4080)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Circular and trigonometric functions
- Trigonometric ratios and graphs of the trigonometric functions
- Trigonometric identities
- Polar coordinates and graphs of polar equations
- Conic sections
- Parametric equations

It is standard for students to be able to:

- effectively use a graphing calculator,
- state and apply the properties of a -30, -60, -90 and -45, -90 triangle,
- define and use the positive and negative angles as they apply to the unit circle,
- define the trigonometric ratios and use them in determining values for angles which are multiples of -30, -45, -90,
- convert angle measurement from degrees to radians and from radians to degrees,
- draw the graphs of the trigonometric functions and examine them to determine for each amplitude, period, phase shift,
- state and apply the trigonometric identities in proving and solving equations,
- apply the laws of sines and cosines and area of a triangle formulas to solve triangles,
- understand polar coordinates and be able to express complex numbers in polar form
- use conic sections in real world applications
- effectively use parametric equations

The following types of data and weightings will be used  
in determining your marking period grade:

Tests & projects	100 %
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**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**PROBABAILITY & STATISTICS**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involoving:

- Exploring data
- Sampling and experimentation
- Anticipating patterns
- Statistical inference

It is standard for students to be able to:

- Construct aad interpret graphical displays of distributions of univariate data
- Summarize distributions of univariate data
- Compare distributions of univariate data
- Explore bivariate data
- Explore categorical data
- Differentiate between methods of data colection
- Plan and conduct surveys
- Plan and conduct experiments
- Generalize results and types of conclusions that can be drawn from observational studies, experiments and surveys.
- Calculate probabilities
- Combine independent random variables
- Use the Normal distribution
- Use sampling distributions
- Estimate parameters and determine confidence intervals
- Conduct tests of significance

The following **types of data** and **weightings** will be used in determining your marking period grade:

Tests and quizzes	90%	(approximately)
Homework/Class participation	10%	(approximately)

Per New Milford School District Regulation #2624,

- A** indicates *superior* work demonstrating a high degree of initiative, commitment and understanding
  - B** indicates *above average* performance which demonstrates strength in the subject
  - C** indicates *average* performance which demonstrates a satisfactory degree of proficiency
  - D** indicates *poor performance* which demonstratesa weak proficiency and is minimally acceptable
  - F** indicates the student has *not met the minimum requirements* and has demonstratedan inability or unwillingness to master the basic elements of this course; a final grade of F receives no credit
- Note: **plusses** and **minuses** are used to further differentiate a student's performance.

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**ACADEMIC CALCULUS (4190)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Limits
- Derivatives
- Applications of Derivatives
- Integrals
- Applications of Integrals

It is standard for students to be able to:

- effectively use a graphing calculator,
- calculate limits of functions using the basic theorems related to limits,
- define and interpret the derivative of a function,
- apply the basic theorems related to derivatives in calculating the derivative of algebraic and transcendental functions,
- determine the equation of a function given  $f'(x)$  and one element of the function,
- know and apply to functions (relations) the following terms: domain, range, increasing, decreasing, concave up/down, bounded, continuous,
- apply the interpretations of  $f'(x)$ ,  $f''(x)$  to curve sketching,
- apply the notions of the derived function to related rate problems, maximum and minimum, and velocity/acceleration problems,
- define and distinguish between the indefinite and definite integral,
- apply numerical methods in estimating definite integrals
- relate the definite integral with the notion of a limit of a sum leading to the Fundamental Theorem of integral calculus,
- develop and apply the basic theorems related to integrals,
- apply the basic concepts of integral calculus in solving problems related to: areas, volumes and surface area,

The following types of data and weightings will be used  
in determining your marking period grade:

Tests/Quizzes	90%
In-Class Assignments/Homework/Class Participation	10%

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**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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a final grade of F receives no credit

Note: pluses and minuses are used to further differentiate a student's performance

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**ADVANCED PLACEMENT CALCULUS (4190)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

Limits

Derivatives of algebraic and transcendental functions

Integration - the definite integral

Methods of integration

Elementary differential equations

Applications

Slope Fields

It is standard for students to be able to:

- effectively use a graphing calculator,
- determine the equation of a function given  $f(x)$  and one element of the function,
- calculate limits of functions using the basic theorems related to limits,
- know and apply to functions (relations) the following terms: domain, range, increasing, decreasing, concave up-down, bounded, continuous,
- define and interpret the derivative of a function,
- apply the basic theorems related to derivatives in calculating the derivative of algebraic and transcendental functions,
- apply the interpretations of  $f'(x)$ ,  $f''(x)$  to curve sketching,
- apply the notions of the derived function to related rate problems, maximum and minimum, and velocity problems,
- define and distinguish between the indefinite and definite integral,
- relate the definite integral with the notion of a limit of a sum leading to the Fundamental Theorem of integral calculus,
- develop and apply the basic theorems related to integrals,
- apply the basic concepts of integral calculus in solving problems related to: areas, volumes and surface area,
- determine the solution of elementary differential equations, and slope fields
- apply numerical methods in estimating definite integrals

The following types of data and weightings will be used  
in determining your marking period grade:

**Tests & projects**

**100 %**

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**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

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a final grade of F receives no credit

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**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**AP STATISTICS**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Exploring data
- Sampling and experimentation
- Anticipating patterns
- Statistical inference

It is standard for students to be able to:

- Construct and interpret graphical displays of distributions of univariate data
- Summarize distributions of univariate data
- Compare distributions of univariate data
- Explore bivariate data
- Explore categorical data
- Differentiate between methods of data collection
- Plan and conduct surveys
- Plan and conduct experiments
- Generalize results and types of conclusions that can be drawn from observational studies, experiments and surveys.
- Calculate probabilities
- Combine independent random variables
- Use the Normal distribution
- Use sampling distributions
- Estimate parameters and determine confidence intervals
- Conduct tests of significance

The following **types of data** and **weightings** will be used in determining your marking period grade:

Tests and Quizzes	100%
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- A** indicates *superior* work demonstrating a high degree of initiative, commitment and understanding
  - B** indicates *above average* performance which demonstrates strength in the subject
  - C** indicates *average* performance which demonstrates a satisfactory degree of proficiency
  - D** indicates *poor performance* which demonstrates a weak proficiency and is minimally acceptable
  - F** indicates the student has *not met the minimum requirements* and has demonstrated an inability or unwillingness to master the basic elements of this course; a final grade of F receives no credit
- Note: **pluses** and **minuses** are used to further differentiate a student's performance.

**NEW MILFORD HIGH SCHOOL**  
**COURSE REQUIREMENTS**  
**FOR**  
**PERSONAL FINANCE (4100)**

Given current school/class attendance regulations and the school discipline code, both of which set limits under which students can earn marks and credit in a course, AND

Given units of study involving:

- Purchasing a Automobile, Insurance
- Investing, Banking services
- Purchasing a House, Simple and Compound Interest
- Financing, The Paycheck
- Taxes, Employment Opportunities, Budgeting

It is standard for students to be able to:

- define mean, median, and mode when data are grouped,
- compute cash and sales discounts when buying and selling,
- identify, define and use banking services,
- define and apply concepts of simple and compound interest,
- recognize and use the mathematics involved in financing,
- define and compute methods for compensating employees for their work,
- compute gross and net earnings,
- identify various investment options
- compute automotive transportation costs
- compute housing costs
- use tax tables,
- compute taxes,
- use and apply budget record-keeping and balancing,
- identify the different kinds of insurance,
- compute insurance costs and benefits, and
- relate to occupational opportunities in the field

The following types of data and weightings will be used  
in determining your marking period grade:

Tests, quizzes & projects	90 %
Homework & classwork	10 %

Per **New Milford School District Regulation #2624**,

**A** indicates superior work demonstrating a high degree of initiative, commitment, and understanding

**B** indicates above average performance which demonstrates strength in the subject

**C** indicates average performance which demonstrates a satisfactory degree of proficiency

**D** indicates poor performance which demonstrates a weak proficiency and is minimally acceptable

**F** indicates the student has not met the minimum requirements and has demonstrated an inability or unwillingness to master the basic elements of this course; a final grade of F receives no credit

Note: plusses and minuses are used to further differentiate a student's performance