| Unit Topic or Title, District, Grade Level, Teacher Name: **Module 1, Algebra, Scio Central School, Insley** | Resources: (Text Alignment): NYS Common Core Module 1 resources on line, Arlington Algebra Project, teacher created worksheets | Vocabulary: |

Assessments Teacher made quizzes, MMA and EMA

Prioritized Math Content Target Standards (70%):

N-Q.1	A-REI.1
N-Q.2	A-REI.3
N-Q.3	A-REI.5
A-SSSE.1	A-REI.6
A-SSE.2	A-REI.10
A-APR.1	A-REI.12
A-CED.1	A-CED.3
A-CED.2	AOCED.4

Non-Prioritized Math Content Target Standards:

6.NS.7, 6.EE.3, 6.EE.4, 6.EE.5, 6.EE.6, 6.EE.7, 6.EE.8, 7.EE1, 7.EE.2, 7.EE.3, 7.EE.4, 8.EE.1, 8.EE.2, 8.EE.78.EE.8

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos

Targeted Standards for Mathematical Practice:

MP.1, MP.2, MP.3, MP.4, MP.6, MP.7, MP.8

Vocabulary:

Piecewise-Linear Function Numerical Symbol Variable Symbol

Numerical Expression Algebraic Expression Equivalent Numerical Expressions Equivalent Algebraic Expressions Polynomial Expression Monomial Degree of a Monomial

Standard Form of a Polynomial Expression in One Variable Degree of a Polynomial in Standard Form

Leading Term and Leading Coefficient of a Polynomial in Standard Form Constant Term of a Polynomial in Standard Form Solution Solution Set

Graph of an Equation in Two Variables Zero Product Property

Familiar Terms and Symbols[1]

- Equation
- Identity
- Inequality
- System of Equations
- Properties of Equality
- Properties of Inequality
- Solve
- Linear Function
- Formula
- Term

Instructional Calendar

Unit Topic or Title, District, Grade Level, Teacher Name: **Module 2, Algebra, Scio Central School, Insley**

Assessments Teacher made quizzes, MMA and EMA

Prioritized Math Content Target Standards (70%):

S-ID.1	6.SP.5
S-ID.2	8.SP.1
S-ID.3	8.SP.2
S-ID.5	8.SP.3
S-ID.6	8.SP.4
S-ID.7	
S-ID.8	
S-ID.9	
6.SP.1	
6.SP.2	
6.SP.3	
6.SP.4	

Non-Prioritized Math Content Target Standards:

6.NS.7, 6.EE.3, 6.EE.4, 6.EE.5, 6.EE.6, 6.EE.7, 6.EE.8, 7.EE1, 7.EE.2, 7.EE.3,

7.EE.4, 8.EE.1, 8.EE.2, 8.EE.78.EE.8

Resources: (Text Alignment): NYS Common Core Module 2 resources on line, teacher created worksheets, American Statistical Association website: Census for High School, Arlington Algebra Project

Vocabulary:

Skewed data distribution, outliers, sample standard deviation, interquartile range, association, conditional relative frequency, residual, residual plot, correlation coefficient

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos,
www.amstat.org/censusatschool

Targeted Standards for Mathematical Practice:

MP.1, MP.2, MP.3, MP.4, MP.5, MP.6

Instructional Calendar

| Unit Topic or Title, District, Grade Level, Teacher Name: **Module 3, Algebra, Scio Central School, Insley** | Resources: (Text Alignment): **NYS Common Core Module 3 resources on line, teacher created worksheets, Arlington Algebra Project** | Vocabulary: |

Assessments Teacher made quizzes, MMA and EMA

Prioritized Math Content Target Standards (70%):

A-SSE.B.3	F-BF.B.3
A-CED.A.1	F-LE.A.1
A-REI.D.11	F-LE.A.2
F-IF.A.1	F-LE.A.3
F-IF.A.2	F-LE.B.5
F-IF.A.3	
F-IF.B.4	
F-IF.B.5	
F-IF.B.6	
F-IF.C.7	
F-IF.C.9	
F-BF.A.1	

Non-Prioritized Math Content Target Standards:

8.EE.A. 8.EE.A.28.F.A.1 8.F.A.2   8 A-SSE.A.1.F.A.3   8.F.B.4 8.F.B.5

N-Q.A.1   N-Q.A.2 A-SSE.A.2 A-CED.A.2   A-CED.A.3   A-CED.A.4

A-REI.A.1   A-REI.B.3   A-REI.C.6 A-REI.D.10 N-Q.A.3

Vocabulary:

- Function, Domain and Range
- Linear Function
- Average Rate of Change
- Piecewise Linear Function

Familiar Terms and Symbols[1]

- Numerical and variable Symbol
- Constant
- Numerical Expression
- Algebraic Expression
- Number Sentence
- Truth Values of a Number Sentence
- Equation
- Solution
- Solution Set
- Simple Expression
- Factored Expression
- Equivalent Expressions
- Polynomial Expression
- Equivalent Polynomial Expressions
- Monomial
- Coefficient of a Monomial
- Terms of a polynomial

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos,

Targeted Standards for Mathematical Practice:

MP.1, MP.2, MP.4, MP.7, MP.8

Instructional Calendar

| Unit Topic or Title, District, Grade Level, Teacher Name: **Module 4, Algebra, Scio Central School, Insley** | Resources: (Text Alignment): NYS Common Core Module 4 resources on line, teacher created worksheets, Arlington Algebra Project | Vocabulary: |

Assessments **Teacher made quizzes, MMA and EMA**

Prioritized Math Content Target Standards (70%): N.RN.B.3,

A-SSE.A.1, A-SSE.A.2, A-SSE.B.3, A-APR.A.1, A-APR.B.3, A-CED.A.1, A-CED.A.2, A-REI.B.4, A-REI.D.11, F-IF.B.4, F-IF.B.5, F-IF.B.6, F-IF.C.7, F-IF.C.8, F-IF.C.9, F-BF.B.3

Non-Prioritized Math Content Target Standards:

8.NS.A.1, A.EE.A.1, N-Q.A.2, N-Q.A.2, N-Q.A.3, A-CED.A.4, A-REI.A.1, A-REI.B.3, A-REI.D.10,, F-IF.A.1, F-IF.A.2, F-BF.A.1,

Digital Mathematical Tools: **TI Smartview, Smartboard, Youtube videos,**

Targeted Standards for Mathematical Practice:

MP.1, MP.2, MP.4, MP.5, MP.6, MP.7

Vocabulary:

Degree of a monomial term
Degree of a polynomial
Leading coefficient
Parent function
Quadratic function
Cubic function
Square root function
Cube root function
Standard form for a quadratic function
Factored form for a quadratic function
Vertex form
Roots of a polynomial function
Axis of symmetry, Vertex
End Behavior
Quadratic formula
Discriminant
Familiar Terms and Symbols
Solutions (solution set) of an equation
Zeros if a function
Integers
Rational and irrational Numbers
Real Numbers
Solution Set
Coefficient
Term
Factor
Power
Square Root, Cube root closed
monomial, binomial, trinomial
degree of a polynomial
quadratic, cubic
average rate of change
explicit expression
parabola
domain and range
recursive process

Instructional Calendar

Unit Topic or Title, District, Grade Level, Teacher Name: **Module 5, Algebra, Scio Central School, Insley**	Resources: (Text Alignment): NYS Common Core Module 5 resources on line, Arlington Algebra Project, teacher created worksheets

Vocabulary:

- Analytic model
- Descriptive model

Familiar Terms and Symbols[1]

- Function
- Range
- Parent function
- Linear Function
- Quadratic Function
- Exponential Function
- Average Rate of Change
- Cube root function
- Square root function
- End behavior
- Recursive process
- Piecewise Defined Function
- Parameter
- Arithmetic Sequence
- Geometric Sequence
- First Differences
- Second Differences
- Analytical model

Assessments Teacher made quizzes, MMA and EMA

Prioritized Math Content Target Standards (70%):

N-Q.A.2	N-Q.A.3
F-IF.B.4	A-CED.A.1
F-IF.B.5	F-IF.B.6
F-BF.A.1a	
F-LE.A.1b	
F-LE.A.1c	
F-LE.A.2	
A-CED.A.2	

Non-Prioritized Math Content Target Standards:

8.F.B.4, 8.F.B.5, F-IF.C.7, F-IF.C.8, F-IF.C.9[8], F-LE.B.5[9], S-ID.B.6

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos

Targeted Standards for Mathematical Practice:

MP.1, MP.2, MP.4, MP.6, MP.5

Instructional Calendar