Unit Topic or Title, District, Grade Level, Teacher Name: Unit 1, Statistics, Scio Central School, Insley

Resources: (Text Alignment):

Workshop

Statistics: Discovery with Data and the Graphing Calculator, teacher created worksheets

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

Assessments Teacher made quizzes

Prioritized Math Content Target Standards (70%):

S.ID.1Represent data with plots on the real number line (dot plots, histograms, and box plots).

S.ID.2Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.

Non-Prioritized Math Content Target Standards:

Familiar Terms and Symbols[1]

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

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos

Targeted Standards for Mathematical Practice:

MP2, MP3, MP4, MP5, MP6

Instructional Calendar

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

Resources: (Text Alignment): Workshop Statistics: Discovery with Data and the Graphing Calculator, teacher created worksheets

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

Assessments Teacher made quizzes

Prioritized Math Content Target Standards (70%):

S.ID.2 Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.

S.ID.3 Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).

S.ID.6 Represent data on two quantitative variables on a scatter plot, and describe how the variables are related.

S.ID.8 Compute (using technology) and interpret the correlation coefficient of a linear fit.

Non-Prioritized Math Content Target Standards:

Familiar Terms and Symbols[1]

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

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos

Targeted Standards for Mathematical Practice:

MP2, MP3, MP4, MP5, MP6

Instructional Calendar

Unit Topic or Title, District, Grade Level, Teacher Name: Unit 3, Statistics, Scio Central School, Insley

Resources: (Text Alignment): Workshop Statistics: Discovery with Data and the Graphing Calculator, teacher created worksheets

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

Assessments Teacher made quizzes

Prioritized Math Content Target Standards (70%):

S.ID.2 Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets.

S.ID.3 Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers).

S.ID.6 Represent data on two quantitative variables on a scatter plot, and describe how the variables are related.

S.ID.9 Distinguish between correlation and causation.

Non-Prioritized Math Content Target Standards:

Familiar Terms and Symbols[1]

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

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos

Targeted Standards for Mathematical Practice:

MP6, MP2, MP3, MP4, MP5

Instructional Calendar

Unit Topic or Title, District, Grade Level, Teacher Name: Unit 4, Statistics, Scio Central School, Insley

Resources: (Text Alignment): Workshop Statistics: Discovery with Data and the Graphing Calculator, teacher created worksheets

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

Assessments Teacher made quizzes

Prioritized Math Content Target Standards (70%):

S.IC Make Inferences and Justify Conclusions. Understand and evaluate random processes underlying statistical experiments. Understand and justify conclusions from sample surveys, experiments and observational studies.

Non-Prioritized Math Content Target Standards:

Familiar Terms and Symbols[1]

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

Digital Mathematical Tools: TI Smartview, Smartboard, Youtube videos

Targeted Standards for Mathematical Practice:

MP1, MP3, MP4, MP5, MP6

Instructional Calendar