Grade 7 – Mathematics

In Grade 7, instructional time focuses on four critical areas: (Q1) drawing inferences about populations based on samples; developing understanding of operations with rational numbers and working with expressions and linear equations (Q2) extending understanding of operations with percentages and measurement systems with relation to consumer math (Q3) identifying properties of 2D figures to solve problems involving scale drawings, informal geometric constructions, and transformations. (Q4) discovering the laws of probability and using these laws to make logical decisions.

Quarter 1 Concepts
- Statistical Thinking
  - Statistical Questions
  - Mean, Median, Mode
  - Deviations, Outliers, Range
- Operations with Integers
- Absolutes Value
- Inequalities
- Expressions with variables
- Equations with variables
	Quarter 3 Concepts
	- Geometry of 2D Shapes
	  - Properties of lines, segments, rays
	  - Properties of angles
	  - Properties of triangles
	  - Properties of quadrilaterals
	  - Properties of Cicles
	  - Scale and Scale Drawings
	  - Transformations
	  - Congruence

Quarter 2 Concepts
- Measurement Systems and Conversions
- Consumer Math and Financial Literacy
  - Unit Prices
  - Sale Prices
  - Tax, Tip, Mark-Up, Discount
  - Simple Interest
  - Simple Banking
	Quarter 4 Concepts
	- Probability
	  - Simple Events
	  - Mutually Exclusive Events
	  - Compound Events
	  - Independent/Dependent Events
	- Outcomes
	  - Permutations
	  - Combinations

Assessment Policy:

In class, students will be required to engage in projects, problem solving, and group work along with traditional assignments such as IXL, worksheets, quizzes, and tests. Out of class, students will continue work on their long-term projects along with completing daily homework. Absent students are responsible for keeping up by checking IXL, Google Classroom, & or emailing krussell@nis.ac.th to check in. Late work will not be accepted.
Parents, please email me directly to discuss any extenuating circumstances.

Contract:

Please log into Google Classroom using your NIS email and complete the google form to verify you have read the Assessment Policy.