WALLKILL CENTRAL SCHOOL DISTRICT

*Together We Can Make a Difference*

Last updated: **8/23/2023**

# 2023-2024 Grade 6 Mathematics: Quarter 4: Weeks 33-41: Topics 7 & 8

| Options | Standards | Learning Targets | Text Next Generation Alignment | Supplemental Materials/Resources | Fluency | Vocabulary |
|---|---|---|---|---|---|---|
| | (1) CSDF.4-6.CT.4<br>(3) CSDF.4-6.CT.6<br>(3) CSDF.4-6.CT.8<br>(1) NY-6.G.1<br>(1) NY-6.G.2<br>(1) NY-6.G.3<br>(1) NY-6.G.4<br>(1) NY-6.G.5 | **Topic 7**<br>Objectives:<br>-Use a formula to find area of parallelograms and rhombuses<br>-Find the base or height of a parallelogram of parallelogram when area is given<br>-Find the area of triangles, trapezoids, kites<br>-Find the areas of polygons by composing and decomposing shapes, inclusing polygons on the coordinate plane<br>-Classify solid figures<br>-Identigy solid figures from nets<br>-Draw nets of solid figures<br>-Find the surface area of rectangular prisms, including cubes.<br>-Find the surface area of triangulary prisms<br>-Find the surface area of square and triangular pyramids<br>-Use cubes and formula to find the volume of a rectangulary prism or a cube ith a fractional edge length | **Topic 7**<br>7-1 Find Area of Parallelogram and Rhombus<br>7-2 solve Triangle and Area Problems<br>7-3 Find Areas of Trapezoids of Kites<br>7-4 Find Areas of Polygons<br>7-5 Represent Solid Figures Using Nets<br>7-6 Find Surface Area of Prisms<br>7-7 Find Surface Area of Pyramids<br>7-8 Find Volume with Fractional Edge Lengths | **Topic 7**<br>www.Brainpop.com videos:<br>• Surface Area<br>• Area of Polygons<br>• Volume of Prisms<br>www.Ixl.com<br>Area FF.1-FF.25<br>3D figures EE.1-EE.4<br>Envision Online:<br>• Reteach<br>• Vocabulary Support<br>• Enrichment pages<br>• Build Math Literacy<br>• Visual Learning Animation<br>• 3 Act Math Video and Modeling<br>• Today's Challenge<br>**Topic Review**<br>Envision Concepts and Skills Review located p. 456-460.<br>**Games** | **Topic 7**<br>Fluency p. 461<br>IXL<br>Kahoots | **Topic 7 Vocabulary**<br>• base<br>• edge<br>• face<br>• kite<br>• net<br>• poyhedron<br>• prism<br>• vertex<br>• polygon<br>• rhombus<br>• parallelogram<br>• perpendicular<br>• parallel<br>• adjacent<br>• opposite |
| | (1) CSDF.4-6.CT.2<br>(1) CSDF.4-6.CT.3<br>(3) CSDF.4-6.CT.6<br>(3) CSDF.4-6.CT.8<br>(1) NY-6.SP.1a | **Topic 8**<br>- Identify statistical questions.<br>- Write statistical questions and display the collected data.<br>- Determine the mean, median, mode and range of a data set.<br>- Organize data into equal intervals and display data in a frequency table or histogram. | **Topic 8**<br>8-1 Recognize Statistical Questions<br>8-2 Summarize Data using Mean, Median, Mode and Range<br>8-3 Display Data in Box Plots | **Topic 8**<br>www.Brainpop.com videos:<br>• Graphs<br>• Mean, Median, Mode<br>• Statistics<br>www.Ixl.com<br>GG - Data and Graphs<br>HH - Stats | **Topic 8**<br>Fluency Practice p. 523<br>IXL<br>Kahoots | **Topic 8**<br>• Frequency table<br>• Histogram<br>• Mean<br>• Median<br>• Mode<br>• Outlier<br>• Range<br>• Data distribution |

Help

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|---|---|---|---|---|---|---|
| | (1) NY-6.SP.2<br>(1) NY-6.SP.3<br>(1) NY-6.SP.4<br>(1) NY-6.SP.5 | - Interpret and analyze a histogram.<br>- Use measures to describe data sets.<br>- Describe the center, spread, and overall shape of a data set. | 8-4 Displaye Data in Frequency Tables and Histograms<br>8-5 Summarize Data Using Measures if Variability<br>8-6 Choose Appropiate Statistical Measures<br>8-7 Summarize Data Distributions | **Envision Online:**<br>• Reteach<br>• Vocabulary Support<br>• Enrichment pages<br>• Build Math Literacy<br>• Visual Learning Animation<br>• 3 Act Math Video and Modeling<br>• Today's Challenge<br>Envision Concepts and Skills Review located at the end of each topic<br>• Envision Concepts and Skills Review- Chapter review p. 520-522<br>**Suggested Activities**<br>Students survey their class after creating statistical questions, and then create different graphs.<br>*Examples:*<br>• Shoe size-make frequency table<br>• Number of siblings-histogram<br>• Number of pets-dot plot<br>• Distance students live from school-box plot<br>• Student anonymous list of grades- box plot | | |
| | (1) 7.EE.4<br>(1) 7.EE.4.a<br>(1) 7.SP.8.a<br>(3) CSDF.4-6.CT.6<br>(3) CSDF.4-6.CT.8 | **Post Test- Pre-Algrebra**<br>-Distributive property with fractions and decimals.<br>-Solve 2-step equations using inverse operations.<br>Solve 2-step inequalities using inverse operations.<br>-Integers - add, subtract, multiply, divide | | IXL:<br>• One variable equations<br>• Probability<br>Brainpop videos:<br>• Basic Probability<br>• Two-step Equations<br>• Graphing and Solving Inequaities<br>Khan Academy videos:<br>• Intro to 2-step equations<br>• 2-step inequalities<br>• Basic Probability | | |