Middle School Special Education Update

Curriculum Meeting – March 10, 2022

Mental Health Initiatives

SEL and ESS Tier 2

Social and Emotional Learning Initiatives

- (2) SEL teachers at each building (JSMS and CSMS) to work with identified students
- 5 Core Competency Areas:
  - Self-awareness
  - Self-management
  - Social awareness
  - Relationship skills
  - Responsible Decision Making
- Social Emotional Character Development
- Effective School Solutions (ESS) – Tier 2
- District Mental Health Coach

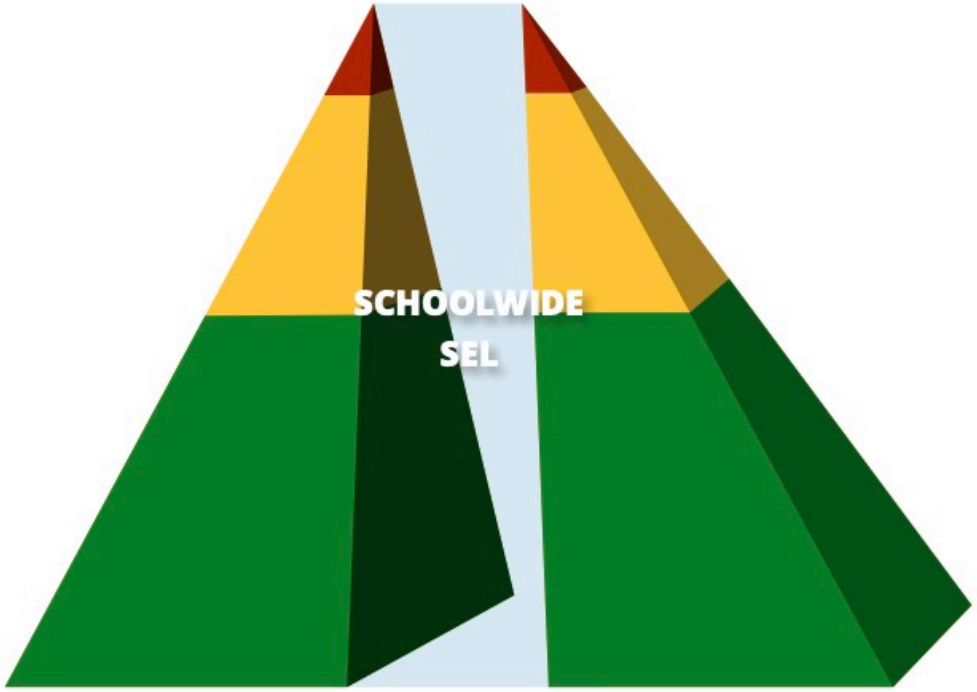
Figure 4: This figure shows how systemic SEL has positive impacts on both academics and behavior within a Multi-Tiered System of Supports (MTSS).

ACADEMICS:

Learning is a social and emotional process. For this reason, students are most successful academically when they:

1. Know themselves and can manage themselves;
2. Take the perspectives of others and relate effectively with them; and,
3. Make sound choices about personal and social decisions.

(Durlak et al., 2015)



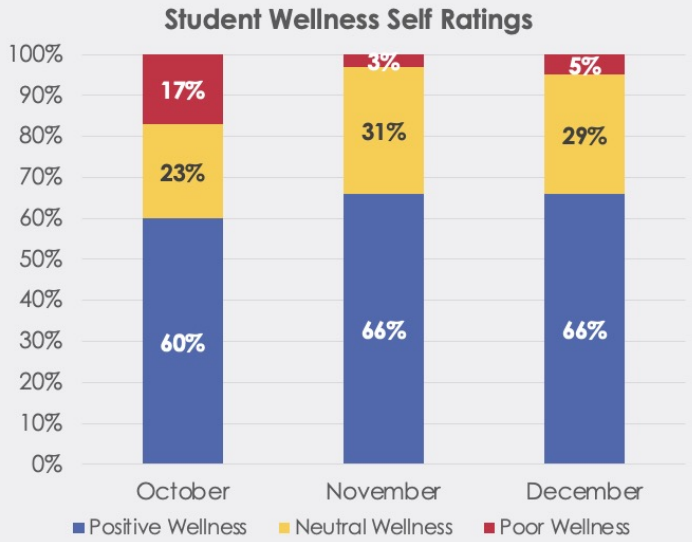
BEHAVIOR:

Social and emotional learning provides students with the foundational competencies that they need in order to follow behavioral expectations, reflect on and learn from mistakes, navigate complex relationships, and, ultimately, make responsible decisions. (Durlak et al., 2015)

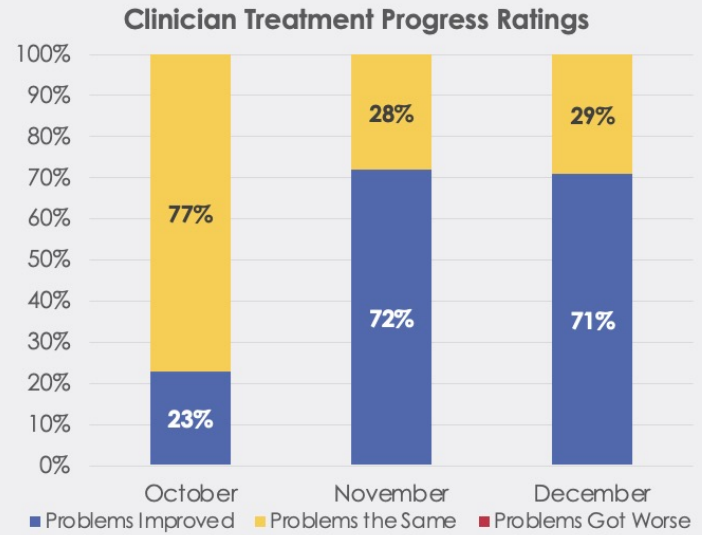
Adapted from: pbis.org/school/mtss

Multi-Tiered System of Supports (MTSS)

Tier 2 Therapeutic Progress



% of student wellness scores showing neutral or positive wellness: 95%



% of clinical progress scores showing neutral or positive therapeutic progress 92%

Effective School Solutions (ESS) – Tier 2

Old Bridge Township Tier 2 Snapshot
Results Snapshot: 8/8/21 to 12/31/21

Fidelity to Model

Census & Engagement		Service Delivery	
Total Students Served:	26	Individual Sessions Attended:	120
Maximum Daily Census:	16	Family Sessions Conducted:	9
Maximum Possible Census:	x	School Meetings	16
Census Utilization %:	x	PRN Sessions	24
% of students highly engaged:	85%	Additional Session Types:	5
Avg interactions/student/week:	2.18	Group Therapy:	74
		TOTAL INTERACTIONS	**268**

Staff Benefits

Staff Time Savings	Staff Professional Learning
24 urgent sessions conducted, freeing up estimated staff time of **12 hours**	**4** PD sessions conducted

Wellness Indicators

% of students reporting positive wellness (student reporting)	% of students exhibiting therapeutic progress (clinician reporting)
93%	**100%**

Middle School LLD Program

2021-2022 Professional Development

- Current trainings for the 2021-2022 for LLD teachers
  - EnVisions 2.0 Training – December 2021
    - Modification of enVisions content
    - Differentiation of enVisions lessons within the classroom
  - IEP goals and objectives - December 2021
  - Creating data-driven goals - January 2022

LLD Program Curriculum - ELA

6th Grade	7th Grade	8th Grade	Supplementary Programs/Materials
• Foundational Elements of Literature and Writing • Reading for a Purpose and Conveying Informational Content • Depth of Literary Analysis and Creating a Narrative • Evaluating and Articulating an Argument	• Reading & Analyzing Literary Texts: Elements of Literature and Narrative Writing • Explanatory Writing and Research using Informational Text • Argumentative Writing and Literary Analysis of Multiple Texts • Analyzing Craft and Structure in Poetry and Drama and Cumulative Review of all Texts	• Informational Text • Elements of Literature/Narrative • Elements of Literature/Literary Analysis • Argument and Persuasion	• Readworks • Common Lit • Novels and Short Stories • Nearpod • Edmark • Project Read Phonics • Project Read Linguistics • Project Read Framing Your Thoughts • IXL • Newsela • Epic • News2You • Brain Pop

LLD Program Curriculum - Math

6th Grade	7th Grade	8th Grade	Supplementary Programs/Materials
• Use Positive Rational Numbers • Integers and Rational Numbers • Numeric & Algebraic Expressions • Represent & Solve Equations & Inequalities • Understand & Use Ratio & Rate • Understand & Use Percent • Solve Area, Surface Area, & Volume • Display, Describe & Summarize Data	• Integers and Rational Numbers • Analyze and Use Proportional Relationships • Analyze and Solve Percent Problems • Generate Equivalent Expressions • Solve Problems Using Equations and Inequalities • Using Sampling to Draw Inferences about Population • Probability • Solve Problems involving Geometry	• Real Numbers • Analyze & Solve Equations • Use Functions to Model Relationships • Investigate Bivariate Data • Analyze & Solve Systems of Equations • Congruence & Similarity • Understand & Apply the Pythagorean Theorem • Solve Problems Involving Surface Area & Volume	• IXL • EnVisions Online • Nearpod • Touch Math

LLD Program Curriculum - Science

6th Grade	7th Grade	8th Grade	Supplementary Programs/Materials
Physical Science • Matter and Its Interactions • Motion and Stability: Forces and Interactions • Earth Science: Earth's Place in the Universe • Life Science: Cells and Heredity	• Engineering & Science • Life Science – Ecology and the Environment • Life Science – Diversity of Living Things • Earth Science – Geological Processes and History • Earth Science – Earth's Water and Atmosphere	• Earth Science – Earth and Human Activity • Physical Science - Energy and Energy Transfer • Physical Science – Waves and their Application • Engineering and Science	• HMH Online • Nearpod • Brain Pop • Newsela • Kahoot • Generation Genius

LLD Program Curriculum – Social Studies

6th Grade	7th Grade	8th Grade	Supplementary Programs/Materials
• Geography/Culture • Ancient History	• Geography • United States History	• American Government and Politics • American Government and Civil Rights • American Economic Development and Policy • America's Role in the World	• Newsela • Nearpod • News2You • Brain Pop • Kahoot

7th Grade Math Example

NJ Student Learning Standards for Math

https://www.nj.gov/education/cccs/2016/math/standards.pdf

Grade 7 Overview

Ratios and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

The Number System

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.

Expressions and Equations

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.

Geometry

- Draw, construct and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

Statistics and Probability

- Use random sampling to draw inferences about a population.
- Draw informal comparative inferences about two populations.
- Investigate chance processes and develop, use, and evaluate probability models.

Mathematical Practices

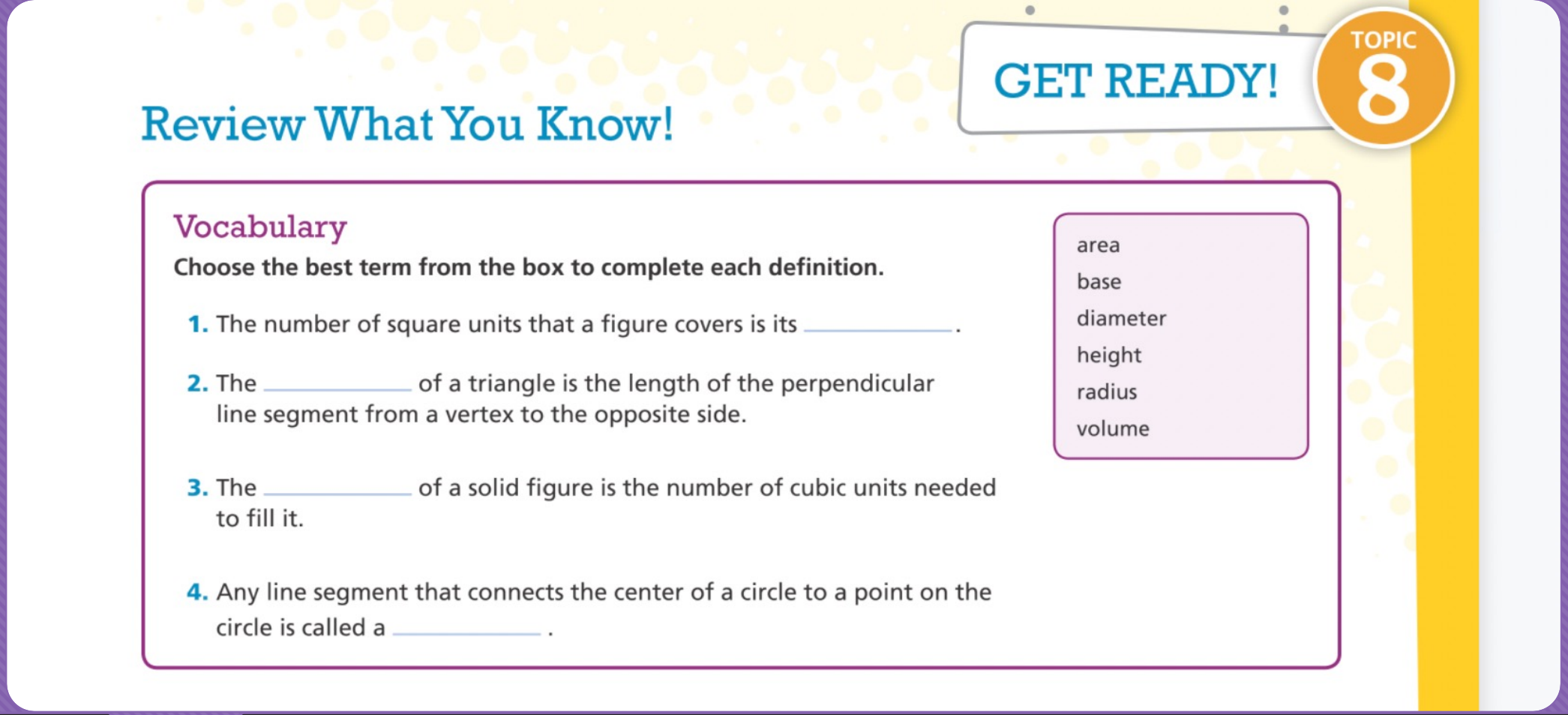
1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning

Geometry 7.G

A. Draw, construct, and describe geometrical figures and describe the relationships between them.

B. Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.

4. Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.
5. Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.
6. Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.



Corresponding EnVisions Lesson

Prerequisite Knowledge - Vocabulary

Area and Volume

Find each measure.

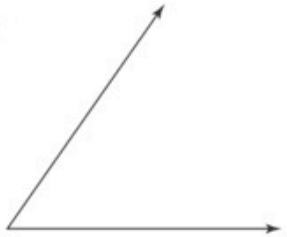
5. Area of a triangle with a base 6 feet and height 9 feet

6. Volume of a rectangular prism with length 4 inches, width 2 inches, and height 2 inches

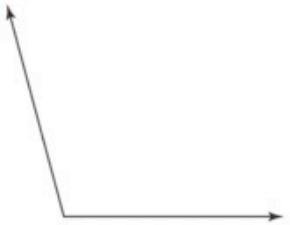
Measure Angles

Use a protractor to find the measure of each angle.

7.



8.



Describe Characteristics of Shapes

Describe this figure using as many geometry terms as you can.

9.

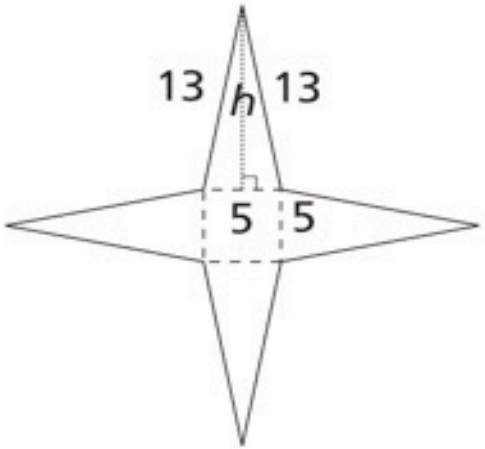
Corresponding EnVisions Lesson

Prerequisite Knowledge – Applying Vocabulary

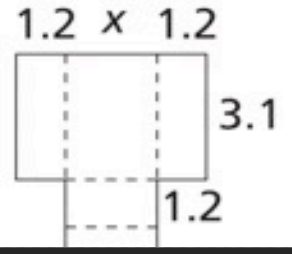
Be Precise

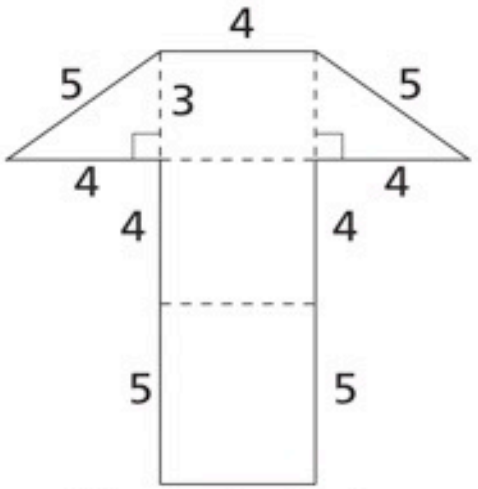
Write a fraction that represents the ratio of the number of faces of the square pyramid to the number of faces of the rectangular prism. Write two fractions that are equivalent to this fraction. Explain how you found the equivalent fractions.

Nets of Solid Figures



Square Pyramid





Triangular Prism

Lesson Example

Math – Across the Standards
Prerequisite Knowledge

- Identifying the shape (2D and 3D)
- Identifying equivalent and non-equivalent sides
- Solving for perimeter
- Cube and square roots
- Solving for area
- Solving for surface area
- Solving for volume
- Identifying equivalent and non-equivalent fractions
- Solving for equivalent fractions