

Gunston Middle School Differentiation Report 1st Quarter, 2023-2024



ELA/Reading

Social Studies

Science

Mathematics

English LanguageArts 6th Grade ELA

Content	ELA 6
Unit 1	Finding Courage (Mini Literary Analysis)
Pre-assessment	Quick Write

Content	Product	Process
The required text for this unit is "The Breadwinner." However,	Mini-Literature Analysis: Fear can prevent people from achieving their	Plan for tiered learning and the students were grouped according to their interests.
the students also read "Eleven," "Life Doesn't Frighten Me," "Danger on an Alaskan Trail and "Fears and Phobias."	goals, deciding something important, or fully enjoying life. How did a character in one of your texts find courage in the face of fear?	Students were able to identify how fear affects people in different ways.
This task is rigorous and requires "Chunking" and scaffolding for some students.	Character Analysis: The students must use "The Breadwinner" as their main text. However, they can analyze more than one	They examined a variety of fiction, narrative nonfiction and poetry to understand how others have shown courage in the face of fear.
On the other hand, for students who need more of a challenge, they can include other	text to explain how a character or characters find courage in the face of fear.	The students were able to select texts other than "The Breadwinner," to support their understanding of how people find courage in the face of fear.
additional text that explore the same theme.	Higher order thinking - The students will synthesize information in order to demonstrate an understanding of how	They wrote a mini-literary analysis on how others have shown courage when faced with fear.

people find courage in the face of fear.	Students give and receive feedback to each other
	and make revisions based on recommendations.

7th Grade Intensified ELA

Content	Mini Literary Analysis - Fiction
Unit 1	Overcoming Obstacles
Pre-assessment	

Content	Product	Process
Students will Make inferences using textual evidence. (7.6c) Recognize the elements of narrative structure including setting , characters , conflict, plot, and theme (7.5a) Decide the difference between first and third person points of view (7.5d) Use graphic organizers to collect evidence and organize ideas (7.7d) Organize ideas to create an expository paragraph (or essay). (7.7d) Create a thesis statement that communicates a central idea and elaborate, using evidence (7.7e)	Personal Brochure - Students create a brochure that highlights the most important aspects of their identity, as well as the incredible strengths and diverse interests they bring to the classroom. Character Paragraph - "Thank You, Ma'am." One-Pager - A written and visual representation of a concept in the short story you read (theme, character traits). This includes the title, author, a thesis statement, three body paragraphs, images connecting to the story and the rubric. Unit 1 Assessment - Mastery Connect	Student choice for short story & manner of presentation. All students were offered a graphic organizer as an optional organizational tool. Extension Activities: Intensified: Jacob's Ladder Grades 6-7: Margaret Mead Regular: Jacob's Ladder Grades 6-7: The Lion and the Mouse Writing lesson using "Fish Cheeks," by Amy Tan Review Paragraph Organization and "Fish Cheeks" exemplar
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Write a paragraph with an organized structure and a formal style (7.7e)	
Use transition words within paragraphs (7.7j).	
Use quotation marks with dialogue and direct quotes (7.8e).	

8th Grade ELA

Content	Reading: short stories, poetry, memoir Writing: expository
Unit 1	Places That Shape Who We Are
Pre-assessment	QFT, generating questions about "Home"

Content	Process	Product
"Home" Question Formulation Technique (QFT)	 Students independently completed a Frayer model for "home." Discussion of the concept of "home" in small groups and whole class Students were divided into groups and the groups went through the steps of the QFT process for the concept "home." Students reflected in writing about the QFT process. The instructor created a shared list of QFT questions for all groups to be used for unit discussions and reflections. 	 Frayer model notebook entry Individual student written reflection on the QFT process A class list of discussion questions for text analysis and the end-of-unit Socratic seminar The beginning of a personal list of "places that are home" for unit 1 essay planning
"My Favorite Chaperone", short story	 Story vocabulary review with a focus on root word analysis Students read the story independently. 	Written responses to analysis questions and reading organizers to be used for the unit 1 Socratic

	 Students worked independently and in groups to analyze the story's setting, plot (emphasis on cause and effect), and character motivation. Answers were recorded on reading organizers. "Talking Chips" discussion activity with QFT questions that applied to the story Story quiz 	seminar and comparative theme analysis • Additional place(s) added to the personal list of "places that are home" based on connections to the story
Jacob's Ladder: "The Lake Isle of Innisfree", poem	 Instructor guided student analysis of the poem using the 3-column poetry analysis strategy (1 = literal, 2 = figurative, 3 = interpretive) Students then responded to the Jacob's Ladder C and D questions. Students discussed their responses. 	 3-column poetry analysis notes Responses to the Jacob's Ladder analysis questions Additional place(s) added to the personal list of "places that are home" based on connections to the story
I Was Their American Dream, memoir	 Pre-reading Students reviewed background information about the author. Students reviewed the format and elements of a graphic memoir. During reading Students responded to the literary analysis questions provided in the curriculum guide along with questions for graphic memoir analysis. Students used their responses to their questions for small group discussions. Post-reading Students used their notes and responses to analysis questions to write their literary analysis and prepare for the Socratic seminar. 	 Written responses to analysis questions to be used for the unit 1 Socratic seminar and comparative theme analysis Additional place(s) added to the personal list of "places that are home" based on connections to the story
Unit 1 Literary Theme Analysis (synthesis)	 Students used their notes for the short stories and the memoir and to identify a common theme subject for the stories. Students used writing organizers to develop a theme 	A written comparative theme analysis on at least two texts from unit 1

	statement and organize text evidence to draft a comparative theme analysis for at least two unit 1 readings. • Students wrote a comparative theme analysis.	
Unit 1 Essay "Places We Call Home"	 Students selected a place or places for their unit 1 essay focus. Students worked through the writing process with writing organizers, teacher modeling, and examples to write a reflective expository on the place or places that have shaped who they are. 	Personal essay on the place(s) that has/ have shaped the writer
Unit 1 "Places We Call Home" Socratic Seminar	 Pre-discussion The instructor reviewed the Socratic seminar format, preparation expectations, and criteria for success. Students used their notes to respond to Socratic seminar questions from the unit opener QFT activity. During discussion Students used their notes to participate in a student-led Socratic Post-discussion 	Post-discussion self-evaluation and reflection

Social Studies 6th Grade US History I and II

Content	Human Geography/Physical Geography; Power and Perspective
Unit 1	Unit 1: Geography, Native Americans and European Explorers: Worlds Merge
Pre-assessment	Mini QFT: What is Going on in Cahokia?

Content	Product	Process
Students will Demonstrate skills for historical thinking, geographical analysis, economic decision making and responsible citizenship by using evidence to draw conclusions	DBQ: Cahokia: What Happened?	Students were given the option of choosing their own documents out of the 8 sources available. Students were given extension options of
and make generalizationsinvestigating and researching to		reading other texts.
 develop products orally and in writing. (USI.1d, USI.1j). analyzing and interpreting artifacts and primary and secondary sources to 	Invaders from the East Project:Students choose	Students used clues related to geography and culture to identify the tribe which made each artifact.
understand events in United States history (USI.1a). • Apply social science skills to	Be an Archaeologist	Students can choose roles within a group between four different roles.
understand o how early cultures developed in North America by describing how archaeologists have recovered	 RAFT Activity=Colonist= Yes or No Independence 	Students could also choose an additional Tribe to research that would require further individual un-scaffolded research.
material evidence of ancient settlements, including Cactus Hill in Virginia (USI.3a). The student will apply social		Goal: Reading outside of class- historical fiction, historical non-fiction Brain Teaser Riddles- daily in class- historical thinking routine
science skills to understand how early cultures developed in North America (US1.3) • European exploration in North	 Seminar: Columbus Day 	Extension Section on Canvas with different choice activities

	America and West Africa (US1.4) the factors that shaped colonial America (US1.5)
•	The student will interpret maps,
	globes, photographs, pictures, or
	tables. (USI.2)

7th Grade Intensified Civics and Economics

Content	Civics and Economics
Unit 1	Foundations and Early Documents
Pre-assessment	Unit 1 Pre-assessment from Five Ponds Press ebook Teacher Resources

Content	Product	Process
Students will	Nearpod Why Government (civics)	Pre-assessment used to determine grouping.
Construct an informed, evidence-based argument to describe what government is, what it does for them personally, and what it does for our community. (CE.2, CE.1e)	This Nearpod lesson was facilitated live with student participation and whole-group input on the whiteboard.	After introducing key key ideas using TedED : What did democracy really mean in Athens, students were provided vocabulary and an explanation of the Hexagonal Vocab to complete during class. They were encouraged
Analyze primary and secondary sources to find the source of, and explain the meaning of, the founding	Document Analysis Tool: Meet the Document	to participate in the live lesson while responding through the platform.
principles of the United States: consent of the governed, limited government, rule of law, democracy, and representative government. (CE.2a,CE.2b, CE.1j)	Groups of three students used the document analysis tool to identify the type of primary and secondary documents and describe each, as if explaining to someone who couldn't	Project Zero Micro Lab: Students in groups of three described the images they saw and what it brought to mind. Groups observed its parts and deciphered the authors' purpose as well as the document's
Make connections across time and place by providing examples of how the founding principles (consent of the governed, limited government, rule of	view it. Canva infographic Students created an infographic	impact on history. Students independently reflected on guiding questions from Essential question 2. In a triad or quad, each student listened to and

law, democracy, & representative		
government) can be seen in the United		
States today. (CE.2, CE.1g, ID.6-8.1)		

explaining what the founding principles look like in their lives or communities.

shared reflections. When everyone shared their reflections and processed, the conversation opened to all to **discuss** the Analysis Tool sheet and fill out all components.

8th Grade World Geography

Content	How can geographic tools show information about the world and help with decision making?	
Unit 1-4	Introduction to World Geography; Tools of Geography	
Pre-assessment	Mapping Lab Pre-test	

Content	Product	Process
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Students will understand that...

The Five Themes of Geography (Location, Place, Movement, Human Environmental Interaction and Regions) help us organize the way we learn about the world.

The sense of place and identity can also become a part of our relationships to our community, or home country. People use maps to illustrate their perspectives of the world, maps and visual images may reflect changes in perspective over time. (WG.1e)

People develop and refine their mental maps through both personal experience and learning. Mental maps help us carry out daily activities, give directions to others, and understand world events. (WG.3e)

Regions are used to simplify the study and understanding of the world by organizing areas of the earth's surface that share unifying physical or cultural characteristics. Regional labels may reflect changes in people's perceptions. (WG.3)

- Mapping Lab Practice
- Slides and presentation
- Written Responses
- Zombie Project

- Instead of answer all questions in the mapping lab practice students were assigned a variety of practice mapping lab questions with built in opportunities for extension
- Students were able to analyze multiple patterns to identify trends and patterns across the maps
- Students were able to visually represent their geographic knowledge through the extended response section on the mapping lab
- Students analyzed several patterns and created a mind map in order to determine geographic patterns that would best support human settlement.
- Students were able to use PAPER to receive differentiated and specific feedback for their 1st LAVC

Science

6th Grade Science

Content	Location and Position
Unit 1	Our Solar System
Pre-assessment	Pre-Tests via Canvas

Content	Product	Process
Students will	QFT - Tides rise and fall	The Astronomy Unit is about understanding how life can exist on Earth by understanding the properties of
 Investigate and understand that the solar system is organized and 	Performance Task: Seasons and Earth's Tilt	Earth; and understanding the relative position and movement of the Earth, Sun and Moon.
the various bodies in the solar system interact. (SOL 6.2)	Scale Model: Students research scale properties of the solar system and create a model representing the solar system	Scale Model: Students research scale properties of the solar system in order to create a scale model.
Investigate and understand that there is	according to scale.	Planet Sort: Students analyze cards of properties of the solar system, and identify patterns in celestial bodies.
a relationship between	CRE-(Claim- Evidence- Reasoning) Planet CER: Students write a CER	bodies.
the sun, Earth, and the moon. (SOL 6.3)	response analyzing the properties of celestial bodies in the solar system.	Planet Crash Landing: Students simulate a crash landing and from a variety of landing sites with properties listed, select the planet that will best
Investigate and understand that there	Crash Landing CER and Discussion: Students write a CER response and	sustain life.
are basic sources of energy and that energy can be transformed.	discuss which planet from a list of landing sites is the most suitable for life.	Gravity Demonstrations : students observe and discuss how mass and distance affect the gravitational attraction between celestial bodies in the solar
(SOL 6.4)	Gravity CER: Students write a CER explaining how mass and distance affect	system, and how smaller bodies revolve around larger bodies.
	the gravitational attraction between	bodies.
CRE-(Claim- Evidence-	celestial bodies in the solar system, and	Lunar Cycle Lab: Students use their bodies to

Reasoning)

- Can the Sun or moon disappear?
- Why is it warmer in the summer and cooler in the winter?

how smaller bodies revolve around larger bodies.

CER: Students write a CER explaining the cyclical patterns of the moon.

Simulation: Students use a simulation

Microlab: Student discussion in small groups

simulate the lunar cycle, and identify patterns in the waxing and waning of the moon.

MicroLab: Tides

Students read an article on tides, then discussed questions in small groups.

7th Grade Science

Content	Life Science
Unit 1	Cells
Pre-assessment	Cell organelle analogy

Content	Product	Process
Students will	>> Cell analogy poster Students compared various	All students were encouraged to participate in the GMS science fair.
Summarize the 8 characteristics of life and categorize things as living or nonliving.	organelles in a plant cell to a modern structure of the world. This enabled students to demonstrate	Academic vocabulary - Frayer models with diagrams were used to illustrate vocabulary.
Explain and illustrate the cell theory and scientist's important contributions.	their understanding of cell organelles and put their creative minds to work.	Extensions - students who finish assignments early are given challenges to find out related information to push them to deeper understanding. (All units)
Explain the levels of organization and compare and contrast unicellular and multicellular organisms. Explain the functions and importance of certain cell organelles.	>> Plant cell model creation- students build a model of a plant cell detailing all the organelles by using construction paper	Cheek Cell Lab - Students used proper lab safety procedures as they extracted cells from their own cheeks and prepared them to view on slides. Intensified students compared the cells they saw with their cell models and identified organelles in the real cell.

8th Grade Science

Content	Physical Science - Energy
Unit 1	Energy Forms and Transformation
Pre-assessment	Scientific Investigation: Pretest 10-questions

Content	Product	Process
Potential & Kinetic Energy	Opportunities to extend learning through participation in the Science Fair	Pretest used to evaluate students' background knowledge about scientific investigation. Personalized learning options dependent on student needs - tiered
Forms of Energy		levels in learning virtual simulations.
Energy Causes and Change	Lab: Create a Device to Prevent Thermal Energy Transfer	Students worked in a team to build a device that would retain heat. They reflected on their building process and considered how they would improve their design for future iterations.
Goal Setting		
	Phet Skate Park Simulator and Forms of Energy Station Activities	Students were able to pursue their own inquiries about potential and kinetic energy through a simulation and lab activities
	Roller Coaster lab	
	SMART Goal worksheet - students create a SMART Goal that they want to achieve for one of their classes this school year. The SMART Goal needs to	Students explored potential and kinetic energy by building a 3D roller coaster using materials of their choosing. They explained their observations and learning through open ended questions.
	be Specific, Measurable, Achievable, Relevant, and Timely. Students write potential obstacles and potential	Self-paced Kahoot review Law of Conservation of Energy, Transformations, Energy Resources
	solutions to achieving their goals.	Throughout the unit, students considered how potential and kinetic energy comes into play in their everyday lives.

Mathematics

Math 6

Content	Geometry & Data Analysis
Unit 1	Circle Graphs & Measures of Center
Pre-assessment	SOL performance analysis questions (5 questions)

Content	Product	Proc	ess			
The student will use problem solving, mathematical	Independent work creating circle graphs given data as percentages			Routine: Each day tl out a math concept.	he class starts with a numb	ber
communication, mathematical reasoning,	In pairs - Create a circle graph based on personal data.	Fray	er models fo	or building vocabul	ary background:	
connections, and representations to:	Exit ticket - 3 question check on		Mean	Average	Data set	
Represent the mean of a set of data	mastery connect.		Median	Range	Measures of center	
graphically as the balance point	as the Students show work on individual		Mode	Balance point	Line plot	
represented in a line plot. Determine the effect on measures of center when a single value of a data set is added, removed, or changed.	lesson as the teacher observes and checks for understanding. Students complete varied level activities on a choice board . Activities include: Desmos, Quizziz, Gimkit, google slides, task cards, Dreambox, worksheets, and manipulatives.	Stuce multi- Guice addithe contacts World under	dents completiple formats led Notes protional supportion to water pace during the supportion to water pace during and the supportion to water pace during an and the supportion to water pace during the supportion to wa	ete task cards to sho of questions. rovided for students ort. Those students v tch a video lesson a ng the mini lesson. el of teaching: stude nd mastery.	Canvas (May Do) and ow their understanding in s needing scaffolds and working at a higher level ha and work independently at a ents have choices of showir watch a video if needed.	nave It a

 Independent Application - students apply the skills with guidance from the notes. Brain Break - usually in pairs where students apply the skills in a tactile format (i.e. matching activity, manipulatives, or illustrations). Collaboration - In pairs, students analyze and determine multiple methods of applying their skills. Exit ticket - No more than 5 questions to assess students' understanding of the concepts for the lesson.
Students showing mastery on the preassessment complete one lesson on Dreambox as an extension and choose 2 of the station activities with the Exit ticket.

PreAlgebra 6

Content	Circle graphs, mean as a balance point, histograms, comparing data within graphs, box plots, and scatter plots
Unit 1	Data & Statistics
Pre-assessment	SOL performance analysis questions (5 questions)

Content	Product	Process
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The student will use problem solving, mathematical communication, mathematical reasoning, connections, and representations to ...

- Collect, organize and represent data in a circle graph, histogram, boxplots, and scatterplots.
- Make observations and inferences about data represented in a circle graph, histogram, boxplots, and scatterplots.
- Compare data represented in a circle graph with the same data represented in bar graphs, pictographs, and line plots. (6.11)
- Represent the mean of a set of data graphically as the balance point represented in a line plot.
- Determine the effect on measures of center when a single value of a data set is added, removed, or changed. (7.9)
- Compare data represented in histograms with the same data represented in line plots, circle graphs, and stem-and-leaf plots. (8.12)
- Given a data set represented in a boxplot, identify and describe the lower extreme (minimum), upper extreme (maximum), median, upper quartile, lower quartile,

Extension Assignment -

students were given assignments that involved finding missing values in a data set, given the mean, median, and/or mode of the data set. In a regular math 6 class, students are given the data sets and calculate the mean, median, mode, and range. (6th grade curriculum)

MathLib - scavenger hunt activity where students choose to work individually or work in pairs to answer questions posted around the classroom. The answers to the questions are used to complete a story.

Students had the opportunity to create their own scatter plots and boxplots from more complex data sets. (8th grade curriculum)

The American Mathematics Competition (AMC 8) as an extension.

Continental Math League (CML)

- Students work through 6 challenging math questions (monthly).

Number Sense Routine: Each day the class starts with a number talk exercise about a math concept.

Frayer models for building vocabulary background:

Mean	Data set	Line plot	Extreme
Median	Average	Box Plot	Quartile
Mode	Balance point	Scatter Plot	Positive Linear Relationship
Range	Measures of center	Line of best fit	Negative Linear Relationship

Enrichment Activities available on Canvas (May Do) and Dreambox.

Task Cards - Students complete to show their understanding in multiple formats of questions.

Guided Notes provided for students needing scaffolds and additional support. Those students working at a higher level have the option to watch a video lesson and work independently at a faster pace during the mini lesson.

Workshop model of teaching: students have choices of showing understanding and mastery.

- 1. **Mini-lesson** with the teacher or watch a video from Khan Academy if needed.
- 2. **Independent Application** students apply the skills with guidance from the notes.
- 3. **Brain Break** usually in pairs where students apply the

range, and interquartile	
range.	

 Compare and analyze two data sets represented in boxplots. (8.13) Virginia Department of Education (VDOE) Algebra Readiness and Just in Time Quick Check - practice SOL questions to show mastery of the standards. skills in a tactile format (i.e. matching activity, manipulatives, or illustrations).

- 4. **Collaboration** In pairs, students analyze and determine multiple methods of applying their skills.
- 5. **Exit ticket** No more than 5 questions to assess students' understanding of the concepts for the lesson.

Students showing mastery on the preassessment complete one lesson on Dreambox as an extension and choose 2 of the station activities with the Exit ticket.

PreAlgebra 7

Content	Pre-Algebra 7/8
Unit 1	Probability, Data and Statistics
Pre-assessn	ent Pre-Assessment: 10 SOL-level questions

Content	Product	Process
The student will use problem solving, mathematical communication, mathematical reasoning, connections, and representations to • Determine the theoretical and experimental probability of an event. (a) • Describe changes in the	Summatives: Mastery Connect Assessments; Printed assessments developed by teacher; IXL Quiz IXL's assigned for each concept to demonstrate understanding. Students participated in a variety of stations that reinforced each	Frayer model for vocabulary: Probability of Independent Events Probability of Dependent Events Boxplots Scatterplots Positive Linear Relationship Negative Linear Relationship Extreme Quartile Line of best fit
 experimental probability as the number of trials increases. (b) Investigate and describe the difference between the probability of an event 	 oncept. Matching boxplots to data Online escape room covering scatterplots Quizzes on all concepts for the unit 	Enrichment Activities available on Canvas and Dreambox Textbook Companion workbook used to reinforce the skills of each lesson. Students have the option to use the

found through experiment or simulation versus the theoretical probability of that same event. (b)

- Determine whether two events are independent or dependent. (a)
- Compare and contrast the probability of independent and dependent events. (a)
- Determine the probability of two independent/dependent events. (b)

• IXL's covering all concepts for the unit.

- Puzzles finding line of best fit and positive/negative relationships
- Worksheets covering all concepts
- Solving Clues around the room involving probability
- Solving riddles that cover all concepts.

workbook, MathXL, or IXL for practice.

Students complete **task cards** to show their understanding in multiple formats of questions.

Guided Notes provided for students needing scaffolds and additional support.

Workshop model of teaching: students have choices of showing understanding and mastery.

- 1. Mini-lesson with the teacher
- 2. IXL practice online
- 3. Task card practice with a partner
- 4. Workbook practice
- 5. Worksheet with guided notes.
- 6. Centers

Thinking Routine: 3-2-1 as an exit ticket.

PreAlgebra 8

Content	PreAlgebra 8
Unit 1	Real Number Sense and Consumer Applications
Pre-assessment	KWL chart Data; Pre-assessment provided by APS

Content	Product	Process

Students will...

- Compare and order no more than five real numbers expressed as integers, fractions (proper or improper), decimals, mixed numbers, percents, numbers written in scientific notation, radicals, and π. Ordering may be in ascending or descending order. (8.1)
- Use rational approximations (to the nearest hundredth) of irrational numbers to compare and order, locating values on a number line.(8.1)
- Describe and illustrate the relationships among the subsets of the real number system by using representations (graphic organizers, number lines, etc.).
 (8.2)
- Describe each subset of the set of real numbers and include examples and non-examples. (8.2)
- Estimate and identify the two consecutive integers between which the positive or negative square root of a given number lies. (8.3a)
- Determine the positive or negative square root of a given perfect square from 1 to 400. (8.3b)

Summatives:

Mastery Connect Assessments; teacher created assessments; performance tasks.

Textbook Companion **workbook** used to assess the skills of each lesson. Students have the option to use the workbook, MathXL, or IXL for practice.

Students demonstrate understanding at the **white board**.

Students complete **task cards** to show their understanding in multiple formats of questions.

In-class activities include:

Collaborative problem-solving and problem discussions.

Questions are posted around the classroom for students to answer at their own pace.

Student Project -

- 1. Create a clock using rational number expressions for the numbers on the clock.
- 2. Create a poster of rational numbers in your everyday life (ie. percents, decimals, fractions).

Frayer model for vocabulary:

- amount of discount
- discount price (sale price)
- markup percent
- percent of change (rate of change)
- principal
- rate (interest rate, tax rate, unit rate)
- sales tax
- simple interest
- Tip
- Square root
- Rational number
- Natural number
- Whole number
- Irrational number
- Real number

Heads up - students describe mathematical terms for other students to guess the correct word .

Enrichment Activities available on Canvas and Dreambox...

Textbook Companion workbook used to reinforce the skills of each lesson. Students have the option to use the workbook, MathXL, or IXL for practice.

Students complete task cards to show their understanding in multiple formats of questions.

Guided Notes provided for students needing scaffolds and additional support.

Workshop model of teaching: students have choices of showing understanding and mastery.

- 1. Mini-lesson with the teacher
- 2. IXL practice online
- 3. Task card practice with a partner
- 4. Workbook practice

	5. Worksheet with guided notes.
	Thinking Routine: 3-2-1 as an exit ticket.

Intensified Algebra

Content	Systems of Equations
Unit 1	Unit 4
Pre-assessment	Solving Equations and Graphing

Content	Product	Process
Students demonstrated their mastery by using Savvas adaptive practice and Savvas online videos to review content. Students who needed additional help sat with me in a small group setting to review concepts and I gave more instruction. "Problem of the Week" was given to students who finished their work earlier than others.	Students were tested on this unit using different types of tests and quizzes. Students were tested on Canvas, Savvas and paper based tests that have been created by me. Students was able to take monthly CML's and some students competed in the AMC 8, as an extension to Algebra concepts	Each week there is a "Problem of the Week" to challenge students. Students are able to learn in a variety of ways using technology and using textbook/workbook examples for each unit. The workbook give real-world examples to help students apply the concepts conceptually

Intensified Geometry

C	Content	Intensified Geometry
U	Jnit 1	Geometry Basics & Logic
F	Pre-assessment	KWL Chart

Content	Product	Process
Students will be able to: use problem solving, mathematical communication, mathematical reasoning, connections, and representations to	Summatives: Mastery Connect Assessments; teacher created assessments; performance tasks.	Enrichment Activities available on Canvas.
 Identify the converse, inverse, and contrapositive of a conditional statement. (a) Translate verbal arguments into symbolic form using the symbols of formal logic. (b) Determine the validity of a logical argument using valid forms of deductive reasoning. (c) Determine that an argument is false using a counterexample. (c) 	In-class activities include: Collaborative problem-solving and problem discussions. Questions are posted around the classroom for students to answer at their own pace. Students was able to take monthly CML's and some students competed in the AMC 8, as an extension to Algebra concepts	Textbook Companion workbook used to reinforce the skills of each lesson. Students have the option to use the workbook, the textbook, MathXL, or IXL for practice.