

Math Year Plans 2009/2010

Allison Ansorger

Worsley Central School

Math: In math we work on both curriculums for each grade.

Overview: The main goals of mathematics education are to prepare students to:

- use mathematics confidently to solve problems
- communicate and reason mathematically
- appreciate and value mathematics
- make connections between mathematics and its applications
- commit themselves to lifelong learning
- become mathematically literate adults, using mathematics to contribute to society.

Instructional Strategies- Will include Direct Teaching, Guided Discovery, Modelling, Peer/Partner Learning, Inquiry, Groupwork, and many others.

	September	October	November	December	January
Topic:	1- Review 2-Review 1- Patterning 2- Patterning	1- Numbers to 20 2- Numbers to 100	1- Numbers to 20 2- Numbers to 100 1-Addition and Subtraction to 12 2- Addition and Subtraction to 18	1-Addition and Subtraction to 12 2- Addition and Subtraction to 18	1- Measurement 2-Measurement
Resources:	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Maximizing Math resource -Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Maximizing Math resource -Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Maximizing Math resource -Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Maximizing Math resource -Quick Draw transparencies -Various manipulatives
Instructional Approaches:	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction
Special Activities:	- patterning bracelet, patterning in art, math games	- writing number books, math games	-drama stories acting out math problems, math games	-drama stories acting out math problems, math games	- Measurement of self, math games

<p>Evaluation: Will be mainly formative in nature, with some culminating summative assessments.</p>	<p>- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.</p>	<p>- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.</p>	<p>- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.</p>	<p>- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.</p>	<p>- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.</p>

	February	March	April	May	June
Topic:	1- Measurement 2-Measurement 1-Numbers to 100 2- Addition and Subtraction to 100	1-Numbers to 100 2- Addition and Subtraction to 100 1- Geometry 2-Geometry	1- Geometry 2-Geometry 1- Addition and Subtraction to 20 2- Data Analysis	1- Addition and Subtraction to 20 2- Data Analysis	Review
Resources:	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Maximizing Math resource -Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) -Maximizing Math resource -Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) --Maximizing Math resource Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) --Maximizing Math resource Quick Draw transparencies -Various manipulatives	-Math Makes Sense Resources (student reproducibles, teacher guide and kit) --Maximizing Math resource Quick Draw transparencies -Various manipulatives
Instructional Approaches:	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction	The main instructional approach for the math program is guided discovery, modelling, however there is some direct instruction
Special Activities:	drama stories acting out math problems, math games	-Building using geometric shapes, Math games	- Graphing, surveying, acting out math problems	-Graphing, surveying, acting out math problems	math games, math booklets, review.

Evaluation:	- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.	- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.	- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.	- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.	- Assessment will be ongoing throughout the unit and will include Observations, checklists, performance tasks, and tests.

