

## MULTI-MEDIA MATERIALS FOR QUEST 406

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in QUEST 406. Bring your ID card to the Learning Center and ask for the lesson by the call number below. If there is more than one number listed, there are several alternatives for the lesson. You may pick and choose which works best for you. In addition, these are also materials available on computer using software called PLATO.

TOPIC	TEXT	SITUATIONAL	TUTORIAL	PLATO
	DVDs	CDs/DVDs	CDs/DVDs	AVAILABLE UNDER:
Explorations with Patterns	D1			Patterns and Sequences
Mathematics and Problem Solving	D1			
Algebraic Thinking	D1			
Describing Sets	D1		B3 Less 1, Y10	Sets and Venn Diagrams
Set Operations and Their Properties	D1		B3 Less 2, 3, 4, Y5	Sets and Venn Diagrams
Addition, Subtraction, Multiplication and Division of Whole Numbers	D1		B1 Less 6, Y1	Whole Numbers: Operations
Functions	D1		B4 Less 1, G-1	Functions: Notation, Domain, Range, Properties, etc.
Numeration Systems	D2		Y1, Y2, Y5	Review of Roman Numerals
Algorithms for Whole-Number Addition, Subtraction, Multiplication and Division	D2		Y1	Whole Numbers: Operations
Mental Mathematics and Estimation for Whole Numbers	D2			
Integers and the Operations of Addition, Subtraction, Multiplication and Division	D3		B1 Less 6, Y2	The Integers: Concepts and Operations
Divisibility	D3		B1 Less 3, Y2	The Integers: Concepts and Operations
Prime and Composite Numbers	D3		B1 Less 4	
Greatest Common Divisor and Least Common Multiple	D3		B1 Less 5, 6, Y2	
Clock and Modular Arithmetic	D3		B4 Less 8, 9	
The Set of Rational Numbers	D3		B1 Less 7, Y3	Fraction Concepts: Definition, Notation, Simplifying, Comparing and Renaming
Addition, Subtraction, Multiplication and Division of Rational Numbers	D3		Y3	Fractions: Operations
Introduction to Decimals; Operations on Decimals	D4		Y4, Y5	Decimals Concepts: Place Value, Ordering, Rounding & Decimals: Operations
Proportional Reasoning	D4		Y8	Rates, Ratio and Proportion
Percents	D4		Y8	Percents
How Probabilities Are Determined	D4	H9, J26, SB15	L1, L4,	Probability: Introductory
Multistage Experiments with Tree Diagrams and Geometric Probabilities; Conditional Probability	D4	SB15, SB16	G9, L3, L4	Probability: Introductory & Probability: Conditional Probability
Statistical Graphs	D5	H6, H8, H11, SB2, SB3	M1	Statistics: Box Plots, Dot Plots, Histograms, Scatterplots
Measures of Central Tendency and Variation	D5	H1, H8, SB2, SB3, SB4	I1, I2	Statistics: Introductory- Measures of Center and Spread
Boxplots and Normal Distribution	D5	H8, SB3	I1, M1	Statistics: Interpreting Graphs
Basic Notions	D5		Z1	Geometric Concepts: Introductory- Line, Line Segment, etc.
Polygons and Angles	D5		Z2, Z3	Geometric Concepts: Introductory- Line, Line Segment, etc. & Polygons
Networks	D5		Z5	
Congruence Through Constructions	D6		Z3	Geometric Concepts: Introductory- Line, Line Segment, etc. & Congruence, Proofs and Constructions
Linear Measurement	D6			Measurement: Metric System and Standard System & Measurement: Unit Conversions
Similar Triangles and Similar Figures	D6		Z4	Congruence, Proofs, and Constructions
Lines in a Cartesian Coordinate System	D6		Z7, Z8	Graphing Linear Equations
Areas of Polygons and Circles	D6		Z6, Z7	Area, Perimeter, and Circumference
The Pythagorean Theorem and The Distance Formula	D6		A4, Z5	Geometric Concepts: Introductory- Line, Line Segment, etc. & Polygons
Surface Areas	D6		Z7	Measurement: Metric System and Standard System & Measurement: Unit Conversions
Volume, Mass, and Temperature	D6		Z7	Measurement: Metric System and Standard System & Measurement: Unit Conversions
Translations and Rotations	D6		Z3	Transformational Geometry
Reflections and Glide Reflections	D6		Z3	Transformational Geometry
Symmetries	D6		Z3	Transformational Geometry