The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in BIOLOGY- EDUCATION. 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. Situational DVDs (**) relate concepts to real-life situations. Tutorial CDs and DVDs present computations related to concepts.

TOPIC	DVD	TUTORIAL DVDS	AVAILABLE ON PLATO UNDER:
The Real Number System and Arithmetic and Properties of Real Numbers		A1, V1, X1	Integers: Concepts and Operations
Exponents		AT3, S1, X1	Exponents and Order of Operations: Introductory
Scientific Notation		S1,V6	Scientific Notation
Solving and Using Linear Equations	J5	A1, A4, S2, V1, V2, X2	Linear and Literal Equations and Formulas
Applications: Investment, Uniform Motion, Mixture		S2,V2	Verbal Problems- Introductory: Creating and Solving
Graphing Linear Equations		A4, C1 Less 3a, 3b, 3c, G1, S4, V3, X5	Graphing Linear Equations
Slope of a Nonvertical Line		A4, A7, C1 Less 3a, 3b, 3c, G1, X5	Graphing Linear Equations
Writing Equations of Lines		A7, C1 Less 3c, G-1, S4, V3, X5	Graphing Linear Equations
Introduction to Functions	J13	A93, C1 Less 4a, G1, V4, X10	Functions: Notation, Domain, Range, Properties, etc.
Graphs of Other Functions		AT3, G1, K1, V4, V10, X10	Functions: Translating, Combining, Graphing, Inverse
Solution by Graphing		G7, S4, V4, X7	Systems of Linear Equations
Solution by Elimination	J20	A5, G7, K5, S4, V4, X8	Systems of Linear Equations
Linear Inequalities	J8	A5, A7, S2, V3, X4	Systems of Linear Equations
Equations and Inequalities with Absolute Values	J9	A5, AT1, V3	Absolute Value Inequalities
Linear Inequalities in Two Variables		S4, V3, X5	Systems of Linear and Quadratic Equations
Systems of Inequalities	J21	G-7, S4, V5, X8	Systems of Linear and Quadratic Equations
Polynomials and Polynomial Functions		AT1, C1 Less 4a, 4b, 5a, G-2	Polynomials: Concepts, Operations, Equivalence
Adding and Subtracting Polynomials		A2, A3, AT1, S1,V6, X5	Polynomials: Concepts, Operations, Equivalence
Multiplying Polynomials		A2, A3, AT1, S1, S2, V6, X6	Polynomials: Concepts, Operations, Equivalence
Dividing Polynomials		AT1, S2, V7, X6	Polynomials: Concepts, Operations, Equivalence
The Greatest Common Factor & Factoring by Grouping	J4	A2, A3, A6, AT1, S2, V6, X6	Factors and Multiples & Factoring Polynomials
The Difference of Two Squares; The Sum and Difference of Two Cubes	J4	A2, A3, A6, AT1, S2, V6, X6	Factoring Polynomials
Factoring Trinomials	J4	A2, A3, A6, AT1, S3, V6, X6	Factoring Polynomials
Summary of Factoring Techniques	J4	A2, A3, A6, AT1, S3, V6	Factoring Polynomials

TOPIC	DVD	TUTORIAL DVDS	AVAILABLE ON PLATO UNDER:
Integers and the Operations of Addition and Subtraction	D3	B1 Less 6, Y2	Integers: Concepts and Operations
Multiplication and Division of Integers	D3	B1 Less 6, Y2	Integers: Concepts and Operations
Divisibility	D3	B1 Less 3, Y2	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	Factors and Multiples
Clock and Modular Arithmetic	D3	B4 Less 8, 9	
The Set of Rational Numbers	D3	B1 Less 7, Y3	Fractions: Definition, Notation, Simplifying and Comparing
Operations on Rationals	D3	Y3	Fractions: Operations
Proportional Reasoning	D4	Y8	Rates, Ratio, and Proportion
Introduction to Decimals	D4	Y4	Decimal Concepts: Place Value, Ordering, Rounding
Operations on Decimals	D4	Y4, Y5	Decimals: Operations
Percents	D4	Y8	Percent
How Probabilities Are Determined	D4	H9, J26, L1, L4, SB15	Probability: Introductory
Multistage Experiments with Tree Diagrams and Geometric Probabilities	D4	G9, L3, L4, SB15, SB16	Probability: Introductory
Statistical Graphs	D5	SB2	Probability: Introductory
Measures of Central Tendency and Variation	D5	H8, I1, SB4	Probability: Conditional Probability
Abuses of Statistics	D5		Probability: Conditional Probability
Basic Notions	D5	Z1	
Polygons	D5	Z3	Introduction to Geometry: Angles, Lines and Polygons
More About Angles	D5	Z2	Introduction to Geometry: Angles, Lines and Polygons
Networks	D5	Z5	
Congruence Through Constructions	D6		Congruence, Proofs and Constructions
Other Congruence Properties	D6	Z3	Congruence, Proofs and Constructions
Similar Triangles and Similar Figures	D6	Z4	Transformational Geometry
Lines in a Cartesian Coordinate System	D6	Z7, Z8	Graphing
Linear Measure	D6		Measurement: Metric System and Standard System
Areas of Polygons and Circles	D6	Z6, Z7	Area, Perimeter and Cirumference
The Pythagorean Theorem and The Distance Formula	D6	A4, Z5	
Surface Areas, Mass, Temperature	D6	Z7	Area, Perimeter and Cirumference
Translations and Rotations	D6	Z3	Functions: Translating, Combining, Graphing, Inverse
Reflections and Glide Reflections	D6	Z3	Transformational Geometry
Symmetries	D6	Z3	Transformational Geometry

TOPIC	DVD	TUTORIAL DVDS	AVAILABLE ON PLATO UNDER:
Solving Equations by Factoring	J7	A6, V7, X7	Quadratic Equations: Solving
Rational Functions & Simplifying Rational Expressions		AT1, V7, X7	Rational Expressions: Concepts, Operations, and Solving
Proportion and Variation		V8, X3	Probability: Introductory
Multiplying and Dividing Rational Expressions		A3, AT1, V7, X7	Rational Expressions: Concepts, Operations, and Solving
Adding and Subtracting Rational Expressions		A3, AT1, S3, V7, X7	Rational Expressions: Concepts, Operations, and Solving
Complex Fractions		AT1, V7, X7	Fractions: Defintion, Notation, Simplifying, and Comparing
Equations Containing Rational Expressions		A4, AT1, S3, V7, X7	Rational Expressions: Concepts, Operations, and Solving
Radical Expressions		A5, A7, AT1, AT2, S3, S4, V8, X9	Rationals and Radicals: Exponents and Equations
Applications of Radicals		C1 Less 2, V8, X9	Rationals and Radicals: Exponents and Equations
Rational Exponents		A8, AT3	Rationals and Radicals: Exponents and Equations
Operations on Radical Expressions		A5, A7, A8 , AT2, S3, S4,V8, X9	Rationals and Radicals: Exponents and Equations
Solving Radical Equations		AT2, S4, V8, X9	Rationals and Radicals: Exponents and Equations
Complex Numbers		A7, AT2, G-2, V9, X10	Complex Numbers
Solving Quadratic Equations by Completing the Square		A6, A8, A10, S4, V9, X9	Quadratic Equations: Solving
Solving Quadratic Equations by the Quadratic Formula		AT2, V9, X10	Quadratic Equations: Solving
The Discriminant and Equations that can be written in Quadratic Form		AT2	
Graphs of Quadratic Functions		AT3, V10, X10	Conic Sections
Piecewise-Defined Functions and the Greatest Integer Function	J16	G1, K1, K2	
Algebra and Composition of Functions	J14	V11	Functions: Translating, Combinging, Graphing, Inverse
Inverses of Functions	J14	G2, K1, SB2, V11	Functions: Translating, Combinging, Graphing, Inverse
Exponential Functions	J18	A8, A9, AT3, G3, K20, V10	Functions: Exponential and Logarithmic
Logarithmic Functions		A8, A9, AT3, G3, K2, V11	Functions: Exponential and Logarithmic
Explorations with Patterns	D1		Patterns and Sequences
Mathematics and Problem Solving	D1		
Algebraic Thinking	D1		Linear and Literal Equations and Formulas
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
Operations on Whole Numbers	D1	B1 Less 6, Y1	
Functions	D1	B4 Less 1, G-1	Functions: Notation, Domain, Range, Properties, etc.
Numeration Systems	D2	Y1, Y2, Y5	
Algorithms for Whole-Number Addition and Subtraction	D2	Y1	
Algorithms for Whole-Number Multiplication and Division	D2	Y1	