MULTIMEDIA MATERIALS FOR BIO 100-102

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in BIO 100-102. 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. These are also materials available on computer using software called PLATO.

Topic	Situational DVDs	Tutorial CDs/DVDs	PLATO AVAILABLE 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 Linear Equations	J5	A1, A4, S2, V1, V2, X2	Linear and Literal Equations and Formulas
Using Equations to Solve Problems		S2, 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, G-1, S4, V3, X5	Graphing Linear Equations
Slope of a Nonvertical Line		A4, A7, C1 Less 3a, 3b, 3c, G-1, 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, G-1, V4, X10	Functions: Notation, Domain, Range, Properties, etc.
Graphs of Other Functions		AT3, G-1, K1, V4, V10, X10	Functions: Translating, Combining, Graphing, Inverse
Solution by Graphing		G-7, S4, V4, X7	Systems of Linear Equations & Systems of Linear and Quadratic Equations
Linear Inequalities	J8	A5, A7, S2, V3, X4	Linear Inequalities: Solving and Graphing
Equations and Inequalities with Absolute Values	J9	A5, AT1, V3	Absolute Value Inequalities
Linear Inequalities in Two Variables		S4, V3, X5	Linear Inequalities: Solving and Graphing
Systems of Inequalities	J21	G-7, S4, V5, X8	Systems of Linear Equations & 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	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
Solving Equations by Factoring	J7	A6, V7, X7	Quadratic Equations: Solving
Rational Functions & Simplifying Rational Expressions		AT1, V7, X7	Rationals and Radicals: Exponents and Equations
Proportion and Variation		V8, X3	Rates, Ratio and Proportion
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	Rationals and Radicals: Exponents and Equations
Equations Containing Rational Expressions		A4, AT1, S3, V7, X7	Rationals and Radicals: Exponents and Equations
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	Quadratic Equations: Solving
Piecewise-Defined Functions and the Greatest Integer Function	J16	G-1, K1, K2	Functions: Piecewise and Absolute Value
Algebra and Composition of Functions	J14	V11	Functions: Translating, Combining, Graphing, Inverse
Inverses of Functions	J14	G-2, K1, SB2, V11	Functions: Translating, Combining, Graphing, Inverse
Exponential Functions	J18	A8, A9, AT3, G-3, K20, V10	Functions: Exponential and Logarithmic
Logarithmic Functions	J19	A8, A9, AT3, G-3, K2, V11	Functions: Exponential and Logarithmic
Graphing Exponential Functions		A-9, G-3	Functions: Exponential and Logarithmic
Graphing Logarithmic Functions		A-9, G-3	Functions: Exponential and Logarithmic