The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics necessary for Chemistry (Above 100 Level). 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.

TOPICS	SITUATIONAL DVDs	TUTORIAL CDs/DVDs	PLATO Available Under:
The Real Number System and Arithmetic and Properties of Real Numbers		A1, V1, X1	
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, 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 and Quadratic Equations
Solution by Elimination	J20	A5, G-7, K5, S4, V4, X8	Systems of Linear and Quadratic Equations
Linear Inequalities	J8	A5, A7, S2, V3, X4	Systems of Linear and Quadratic Equations
Equations and Inequalities with AbsoluteValues	J9	A5, AT1, V3	Absolute Value Inequalities
Linear Inequalities in Two Variables		S4, V3, X5	Graphing Linear 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	Polynomial Concepts, Operations, Equivalence
Adding and Subtracting Polynomials		A2, A3, AT1, S1,V6, X5	Polynomial Concepts, Operations, Equivalence
Multiplying Polynomials		A2, A3, AT1, S1, S2, V6, X6	Polynomial Concepts, Operations, Equivalence
Dividing Polynomials		AT1, S2, V7, X6	Polynomial 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 RationalExpressions		AT1, V7, X7	Rationals and Radicals: Exponents and Equations
Proportion and Variation		V8, X3	Rates, Ratio, and Proportion
Multiplying and Dividing RationalExpressions		A3, AT1, V7, X7	Rationals and Radicals: Exponents and Equations
Adding and Subtracting Rational Expressions		A3, AT1, S3, V7, X7	Rationals and Radicals: Exponents and Equations
Complex Fractions		AT1, V7, X7	
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
Solving Quadratic Equations by Completingthe Square		A6, A8, A10, S4, V9, X9	Quadratic Equations: Solving
Solving Quadratic Equations by the QuadraticFormula		AT2, V9, X10	Quadratic Equations: Solving
The Discriminant and Equations that can be written in Quadratic Form		AT2	Quadratic Equations: Solving
Graphs of Quadratic Functions		AT3, V10, X10	Conic Sections

TOPICS	SITUATIONAL DVDs	TUTORIAL CDs/DVDs	PLATO Available Under:
Piecewise-Defined Functions and the GreatestInteger Function	J16	G-1, K1, K2	Functions: Piecewise and Absoluyte 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		A8, A9, AT3, G-3, K2, V11	Functions: Exponential and Logarithmic
Exponents and Radicals		A5, A7, A8, C1 Les. 2, V8, W-1	Rationals and Radicals: Exponents and Equations
Polynomials and Factoring	J4	A2, A3, A6, AT1, O2, V6, W-1	Factoring Polynomials
Rational Expressions		A3, AT1, V7, W-1	Rationals and Radicals: Exponents and Equations
Solving Equations	J5, J7, J9	A1, A4, A6, A8, A10, AT1, AT2,V1, V2, W-1	Linear and Literal Equations and Formulas
Linear Inequalities in One Variable	J8	A5, A7, V2, W-1	Verbal Problems- Introductory: Creating and Solving
Rectangular Coordinates		C1.2, C1.3a, C1.3b, G-1, V3, W-1	Graphing Linear Equations
Graphs of Equations		C1.3c, C1.4a, G-1, V3, W-1	Graphing Linear Equations
Linear Equations in Two Variables		A4, A7, C1.3c, G-1, V3, W-1	Graphing Linear Equations
Functions	J13, K1	C1.4a, G-1, O1, V4, W-1	Functions: Notation, Domain, Range, Properties, etc.
Analyzing Graphs of Functions		G-1 ,O1, V4, W-1	Functions: Translating, Combining, Graphing, Inverse
A Library of Parent Functions	J16, K1, K2	C1.4b, C1.5a, G-1, O1, V4, W-1	Functions: Translating, Combining, Graphing, Inverse
Transformations of Functions		C1.4b, C1.4c, C1.5a, G-1, W-1	Functions: Translating, Combining, Graphing, Inverse
Combinations of Functions: CompositeFunctions	J14	C1.4b, G-1, O1, V11, W-1	Functions: Translating, Combining, Graphing, Inverse
Inverse Functions	J14, K1	G-2, O1, V11, W-1	Functions: Translating, Combining, Graphing, Inverse
Quadratic Functions and Models	K4	G-2, O1, V10, W-1	Quadratic Equations: Solving
Polynomial Functions of Higher Degree	J16	G-2, O1, W-1	Polynomials: Concepts, Operations, Equivalence
Polynomial Division	K1	A2, G-2, O2, V7, W-1	Polynomials: Concepts, Operations, Equivalence
Complex Numbers	J6	A7, AT2, G-2, V9, W-1, X10	Complex Number
Zeros of Polynomial Functions	K1	G-2, O2, W-1	Polynomials: Concepts, Operations, Equivalence
Rational Functions	J17, K2	A11, G-3, V7, W-1	Rationals and Radicals: Exponents and Equations
Nonlinear Inequalities		G-3, V10, W-1	
Exponential Functions and Their Graphs	J18	A8, A9, AT3, G-3, O4, V10, W-2	Functions: Exponential and Logarithmic
Logarithmic Functions and Their Graphs	J19	A8, AT3, G-3, O4, V10, W-2	Functions: Exponential and Logarithmic
Properties of Logarithms	K2	AT3, G-3, O4, V11, W-2	Functions: Exponential and Logarithmic
Exponential and Logarithmic Functions	K2	AT3, G-3, O4, V11, W-2	Functions: Exponential and Logarithmic
Radian and Degree Measure	K2	G-4, W-2	Trigonometry: Introductions to the Unit Circle and Right Triangles
Trigonometric Functions: The Unit Circle	K2	AT4, G-4, O4, W-2	Trigonometry: Introductions to the Unit Circle and Right Triangles
Right Triangle Trigonometry	K2	AT4, G-4, W-2	Trigonometry: Introductions to the Unit Circle and Right Triangles
Trigonometric Functions of any Angle	K2	AT4, G-4, W-2	Trigonometry: Introductions to the Unit Circle and Right Triangles
Graphs of Sine and Cosine Functions	K3	AT4, G-4, W-2	Trigonometry: Introductions to the Unit Circle and Right Triangles
Graphs of Other Trigonometric Functions	K3	AT4, G-5, W-2	Trigonometry: Introductions to the Unit Circle and Right Triangles
Inverse Trigonometric Functions	K3	G-5, O4, W-2	Trigonometry: Identities and Equations
Applications and Models	K4	G-5, W-2	Trigonometry: Identities and Equations
Using Fundamental Identities	K2	G-5, W-2	Trigonometry: Identities and Equations
Verifying Trigonometric Identities		AT4, G-5, W-2	Trigonometry: Identities and Equations
Solving Trigonometric Equations	K3	AT5, G-6, W-2	Trigonometry: Identities and Equations
Trigonometric Sum & Difference Formulas		G-6, W-2	Trigonometry: Identities and Equations
Multiple-Angle and Product-to-Sum Formulas		G-6, W-2	Trigonometry: Identities and Equations
Law of Sines	K4	AT5, G-6, W-2	Trigonometry: Laws of Sines and Cosines
Law of Cosines	K4	AT5, G-6, W-2	Trigonometry: Laws of Sines and Cosines