

## MULTI-MEDIA MATERIALS FOR CEDC 705

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for the following topics in CEDC 705. 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 | SITUATION             | TUTORIAL                | PLATO  |
|---|------|-----------------------|-------------------------|--|
|   | DVDs | CDs/DVDs              | CDs/DVDs                | AVAILABLE UNDER:   |
| Explorations with Patterns  | D1   |                       |                         | Patterns and Sequences   |
| Mathematics and Problem Solving                                       | D1   |                       |                         |  |
| Algebraic Thinking  | D1   |                       |                         | Linear and Literal Equations and Formulas                                      |
| Set Operations and Their Properties                                   | D1   |                       | B3-1, 3-2, 3-3, 3-4, Y5 | Sets and Venn Diagrams   |
| Addition and Subtraction of Whole Numbers                             | D1   |                       | B1 Less 6, Y1           | Whole Numbers: Operations  |
| Multiplication and Division of Whole Numbers                          | D1   |                       | 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 Operations                                | D2   |                       | Y1                      | Whole Numbers: Models and Properties   |
| Mental Mathematics and Estimation for Whole Numbers                   | D2   |                       |                         |  |
| Integers and the Operations of Addition and Subtraction               | D3   |                       | B1 Less 6, Y2           | The Integers: Concepts and Operations  |
| Multiplication and Division of Integers                               | 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               | The Integers: Concepts and Operations  |
| Greatest Common Divisor and Least Common Multiple                     | D3   |                       | B1 Less 5, 6, Y2        | Monomial Concepts and Operations   |
| 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   |
| Operations on Rational Numbers  | D3   |                       | Y3                      | Fractions: Operations  |
| Introduction to Decimals  | D4   |                       | Y4                      | Decimal Concepts: Place Value, Ordering, Rounding                              |
| Operations on Decimals  | D4   |                       | Y4, Y5                  | Decimals: Operations   |
| Proportional Reasoning  | D4   |                       | Y8                      | Rates, Ratio and Proportion  |
| Percents  | D4   |                       | Y8                      | Rates, Ratio and Proportion  |
| How Probabilities Are Determined                                      | D4   | H9, J26, SB15         | L1, L4,                 | Probability: Introductory  |
| Multistage Experiments with Tree Diagrams and Geometric Probabilities | D4   | SB15, SB16            | G9, L3, L4              | Probability: Introductory  |
| 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 and Spread                                  |
| Boxplots  | D5   | H8, SB3               | I1, M1                  | Statistics: Box Plots, Dot Plots, Histograms, Scatterplots                     |
| Basic Notions   | D5   |                       | Z1                      | Geometric Concepts: Introductory- Line, Line Segment, etc.                     |
| Polygons and Angles   | D5   |                       | Z2, Z3                  | Angles (Including Transversals) & Polygons                                     |
| Congruence Through Constructions                                      | D6   |                       | Z3                      | Congruent, Proofs and Constructions  |
| Linear Measurement  | D6   |                       |                         | Measurement: Metric System and Standard System & Measurement: Unit Conversions |
| Similar Triangles and Similar Figures                                 | D6   |                       | Z4                      | Similarity, Proofs and Constructions   |
| Lines in a Cartesian Coordinate System                                | D6   |                       | Z7, Z8                  | Coordinate Geometry  |
| Areas of Polygons and Circles   | D6   |                       | Z6, Z7                  | Area, Perimeter, and Circumference   |
| The Pythagorean Theorem and The Distance Formula                      | D6   |                       | A4, Z5                  | Pythagorean Theorem  |
| Surface Area, Volume, Mass and Temperature                            | D6   |                       | Z7                      | Surface Area and Nets  |
| Translations, Rotations, Reflections, Glides                          | D6   |                       | Z3                      | Transformational Geometry  |
| Symmetries  | D6   |                       | Z3                      | Symmetry   |