



**Switched-On**  
SCHOOLHOUSE® 2011 EDITION

# Curriculum Catalog

Mathematics 400

## Welcome to Switched-On Schoolhouse!

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Switched-On Schoolhouse comes complete with a full, multimedia-rich curriculum for grades 3-12 in five core subjects and electives.

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<b>UNIT 1: NUMBER SENSE AND PLACE VALUE</b>	
Assignment Titles	
1. Place Value to 1,000s	15. Quiz 3
2. Single-Digit Addition	16. Reading and Writing Fractions
3. Single-Digit Subtraction	17. Practice Multiplication
4. Multi-Digit Addition	18. Counting Money
5. Multi-Digit Subtraction	19. Operations
6. Review Place Value to 1,000s	20. Quiz 4
7. Quiz 1	21. Review: Numbers
8. Multiplication Facts	22. Story Problems
9. Family of Facts	23. Quiz 5
10. Telling Time	24. Special Project
11. Quiz 2	25. Review Game
12. Number Words	26. Test
13. Patterns	27. ALTERNATE TEST
14. Cardinal and Ordinal Numbers	

<b>UNIT 2: ROUNDING AND ESTIMATION</b>	
Assignment Titles	
1. Operations	14. Quiz 3
2. Multiplication Facts: 6-10 and Review	15. Equivalent Fractions
3. Using Standard Measures	16. Rounding Numbers to 100s
4. Quiz 1	17. Estimating Answers to 100s
5. Place Value to 10,000s	18. Review: Computation
6. Relation Symbols	19. Quiz 4
7. Missing Number Equations	20. Review: Bar Graphs and Fractions
8. Review: Even and Odd Numbers	21. Review: Fractions
9. Quiz 2	22. Quiz 5
10. Adding and Subtracting Fractions	23. Special Project
11. Rounding Numbers 10s	24. Review Game
12. Estimating Answers to 10s	25. TEST
13. Review: Math Symbols	26. ALTERNATE TEST

<b>UNIT 3: WHOLE NUMBERS AND FRACTIONS</b>	
Assignment Titles	
1. Place Value	14. Check Your Answers
2. Rounding Numbers to 10s, 100s, and 1,000s	15. Quiz 3
3. Multiply with Carrying to 10s	16. Equivalent Fractions
4. Multiplication Practice	17. Learn Numbers to 100,000s
5. Quiz 1	18. Equations
6. Multi-Digit Addition and Subtraction	19. Quiz 4
7. Rounding and Estimating	20. Reading and Solving Story Problems
8. Fractions Equal to Whole Numbers	21. Line Graphs
9. Quiz 2	22. Quiz 5
10. Estimate Answers to 1,000s	23. Special Project
11. Relation Symbols	24. Review Game
12. Fractions	25. TEST
13. Add and Subtract to 10,000s	26. ALTERNATE TEST

<b>UNIT 4: LINES AND SHAPES</b>	
Assignment Titles	
1. Plane and Solid Shapes	12. Missing Number Problems
2. Quiz 1	13. Review: Operation and Relation Symbols
3. Practice Addition and Subtraction	14. Quiz 4
4. Place Value and Rounding	15. Review: Expanded Notation and Estimation
5. Multiply with Carrying to 100s	16. Review: Fractions and Place Value
6. Quiz 2	17. Quiz 5
7. Lines, Segments, End Points, Rays, Angles	18. Special Project
8. Lines, Directions, and Maps	19. Review Game
9. Quiz 3	20. TEST
10. Review: Plane and Solid Shapes	21. ALTERNATE TEST
11. Fractions	

## Mathematics 400 (cont.)

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### UNIT 5: DIVISION AND MEASUREMENT

#### Assignment Titles

- |  |                             |
|--|-----------------------------|
| 1. Introduction to Division              | 14. Quiz 3                  |
| 2. Multiplication                        | 15. Missing Number Problems |
| 3. Addition and Subtraction              | 16. Division Practice       |
| 4. Review: Time and Number Sense         | 17. Roman Numerals          |
| 5. Quiz 1                                | 18. Review: Regrouping      |
| 6. Linear Measurement                    | 19. Quiz 4                  |
| 7. Capacity (Dry and Liquid Measurement) | 20. Patterns                |
| 8. Division Facts                        | 21. Quiz 5                  |
| 9. Review: Multiplication                | 22. Special Project         |
| 10. Quiz 2                               | 23. Review Game             |
| 11. Reading a Calendar                   | 24. TEST                    |
| 12. Perimeter and Area                   | 25. ALTERNATE TEST          |
| 13. Finding Perimeter and Area           |                             |

### UNIT 6: MULTIPLICATION AND FRACTIONS

#### Assignment Title

- |   |                                    |
|---|------------------------------------|
| 1. Prime and Composite Numbers          | 12. Measurements                   |
| 2. Multiples                            | 13. Equivalent Fractions           |
| 3. Division with Remainders             | 14. Review: Rounding and Shapes    |
| 4. Quiz 1                               | 15. Quiz 4                         |
| 5. Equations and Grouping               | 16. Factors and Multiples          |
| 6. Proper and Improper Fractions        | 17. Problem Solving with Equations |
| 7. Quiz 2                               | 18. Quiz 5                         |
| 8. Multiplication Facts for 11 and 12   | 19. Special Project                |
| 9. Fractions and Mixed Numbers          | 20. Review Game                    |
| 10. Review: Division and Roman Numerals | 21. TEST                           |
| 11. Quiz 3                              | 22. ALTERNATE TEST                 |

### UNIT 7: FRACTIONS AND PATTERNS

#### Assignment Title

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|--|--|
| 1. Multiplication and Division         | 12. Rounding Numbers and Place Value     |
| 2. Factors, Multiples, and Variables   | 13. Review: Shapes, Perimeter, and Area  |
| 3. Fractions                           | 14. Fractions and Patterns               |
| 4. Quiz 1                              | 15. Practice: Operations and Money       |
| 5. Multiplication and Fractions        | 16. Quiz 4                               |
| 6. Average and Number Rules            | 17. Review: Cardinal and Ordinal Numbers |
| 7. Review: Measurement and Place Value | 18. Quiz 5                               |
| 8. Quiz 2                              | 19. Special Project                      |
| 9. Fractions                           | 20. Review Game                          |
| 10. Missing Number Problems            | 21. TEST                                 |
| 11. Quiz 3                             | 22. ALTERNATE TEST                       |

### UNIT 8: DIVISION AND FRACTIONS

#### Assignment Title

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|-------------------------------------|--|
| 1. Factoring and Place Value        | 13. Fractions  |
| 2. Review: Two-Digit Multiplication | 14. Review: Time                                     |
| 3. Fractions                        | 15. Quiz 4   |
| 4. Quiz 1                           | 16. Review: Operations and Rounding                  |
| 5. Division                         | 17. Review: Roman Numerals, Measurement, and Symbols |
| 6. Fractions                        | 18. Quiz 5   |
| 7. Missing Number Problems          | 19. Special Project                                  |
| 8. Quiz 2                           | 20. Review Game                                      |
| 9. Multiplication                   | 21. TEST   |
| 10. Division                        | 22. ALTERNATE TEST                                   |
| 11. Quiz 3                          |  |
| 12. The Metric System               |  |

## Mathematics 400 (cont.)

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### UNIT 9: DECIMALS AND FRACTIONS

#### Assignment Title

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|--|-------------------------|
| 1. Decimals                              | 12. Multiply and Divide |
| 2. Money                                 | 13. Mixed Numbers       |
| 3. Multiplication of Whole Numbers       | 14. Sensible Answers    |
| 4. Quiz 1                                | 15. Quiz 4              |
| 5. Ordered Pairs                         | 16. Review: Fractions   |
| 6. Division and Averages                 | 17. Review              |
| 7. Quiz 2                                | 18. Quiz 5              |
| 8. Add and Subtract Decimals             | 19. Special Project     |
| 9. Fractions with Different Denominators | 20. Review Game         |
| 10. Equivalent Fractions and Decimals    | 21. TEST                |
| 11. Quiz 3                               | 22. ALTERNATE TEST      |

### UNIT 10: GRAPHING AND REVIEW

#### Assignment Title

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|--|-------------------------------------|
| 1. Data Collection and Random Sampling | 10. Fractions                       |
| 2. Project: Collecting Data            | 11. Quiz 3                          |
| 3. Project: Predicting Data            | 12. Sizes, Shapes, and Measurements |
| 4. Graphs                              | 13. Word Problems and Equations     |
| 5. Quiz 1                              | 14. Quiz 4                          |
| 6. Whole Numbers                       | 15. Special Project                 |
| 7. Decimal Numbers                     | 16. Review Game                     |
| 8. Quiz 2                              | 17. TEST                            |
| 9. Problem Solving with Fractions      | 18. ALTERNATE TEST                  |