

**HISD Curriculum Department
2006-2007**

Accelerated Math Instruction (AMI) Resources	
Kinder	<p><i>Developing Number Concepts</i> Book 1: Counting, Comparing, and Patterns by Kathy Richardson</p> <p><i>Developing Number Concepts</i> Book 2: Addition and Subtraction by Kathy Richardson</p> <p><i>Assessing Math Concepts</i> by Kathy Richardson: Counting Objects, Changing Numbers, and Number Arrangements</p> <p><i>Problem Solving Experiences in Math</i>, Kindergarten, Dale Seymour Publications</p> <p>Region IV Assessment CD Database, Kindergarten (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p>Best of Exemplars, K-8 (CD-Rom)</p> <p>Manipulatives: Pattern blocks, Unifix cubes, sorting materials (i.e. vehicles, buttons, colored pasta, toy animals), counters, geometric solids, balance scales, measurement containers and materials (cans, jars, boxes, sand, rice, water, etc.), number cubes, floor graphing mats, story boards, unit blocks, attribute blocks, and literature books</p>
1st Grade	<p><i>Developing Number Concepts</i> Book 1: Counting, Comparing, and Patterns by Kathy Richardson</p> <p><i>Developing Number Concepts</i> Book 2: Addition and Subtraction by Kathy Richardson</p> <p><i>Assessing Math Concepts</i> by Kathy Richardson: Counting Objects, Changing Numbers, More/Less Trains, Number Arrangements, Combination Trains, The Hiding Assessment, and Ten Frames</p> <p><i>Problem Solving Experiences in Math</i>, Grade 1, Dale Seymour Publications</p> <p>Region IV Assessment CD Database, Grade 1 (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p>Best of Exemplars, K-8 (CD-Rom)</p> <p>Manipulatives: Pattern blocks, Unifix cubes, counters, two-color counters, sorting materials (i.e. vehicles, buttons, colored pasta, toy animals), attribute blocks, geometric solids, tangrams, individual clocks, coins, balance scales, measurement containers and materials (cans, jars, boxes, sand, rice, water, etc.), number cubes, floor graphing mats, story boards, place value mats, ten-frames, and Base 10 blocks</p>
2nd Grade	<p><i>Developing Number Concepts</i> Book 2: Addition and Subtraction by Kathy Richardson</p> <p><i>Developing Number Concepts</i> Book 3: Place Value, Multiplication, and Division by Kathy Richardson</p> <p><i>Assessing Math Concepts</i> by Kathy Richardson: Combination Trains, The Hiding Assessment, Ten Frames, Grouping Tens and Two Digit Addition and Subtraction</p> <p><i>Problem Solving Experiences in Math</i>, Grade 2, Dale Seymour Publications</p> <p>Region IV Assessment CD Database, Grade 2 (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p>Best of Exemplars, K-8 (CD-Rom)</p> <p>Manipulatives: Base 10 blocks, Unifix cubes, counters, two-color counters, color tiles, attribute</p>

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	<p>blocks, tangrams, geometric solids, inch worms, geoboards, Cuisenaire rods, clocks, balance scales, 1" wooden cubes, thermometers, coins, oval links, measurement containers and materials (cans, jars, boxes, sand, rice, water, etc.), number cubes story boards, fraction manipulatives, place value mats, hundreds boards, ten-frames, and centimeter cubes</p>
3rd Grade	<p><i>Developing Number Concepts</i> Book 2: Addition and Subtraction by Kathy Richardson</p> <p><i>Developing Number Concepts</i> Book 3: Place Value, Multiplication, and Division by Kathy Richardson</p> <p><i>Assessing Math Concepts</i> by Kathy Richardson: Two Digit Addition and Subtraction</p> <p><i>Problem Solving Experiences in Math</i>, Grade 3, Dale Seymour Publications</p> <p>Region IV Assessment CD Database, Grade 3 (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p><i>Texteam's</i> Problem Solving Board</p> <p>Best of Exemplars, K-8 (CD-Rom)</p> <p>www.mathbenchmarks.org</p> <p>Manipulatives: Base 10 blocks, place value mats, Unifix cubes, counters, two-color counters, color tiles, attribute blocks, tangrams, geometric solids, inch worms, geoboards, Cuisenaire rods, clocks, balance scales, measurement containers and materials (cans, jars, boxes, sand, rice, water, etc.), number cubes, 1" wooden cubes, thermometers, coins and bills, tape measures, centimeter cubes, rulers, meter/yard sticks, fraction manipulatives, spinners, clear plastic geometric volume set, hundreds boards, ten-frames and calculators</p>
4th Grade	<p><i>Problem Solving Experiences in Math</i>, Grade 4, Dale Seymour Publications</p> <p>Region IV Assessment CD Database, Grade 4 (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p><i>Texteam's</i> Problem Solving Board</p> <p>Best of Exemplars, K-8 (CD-Rom)</p> <p>www.mathbenchmarks.org</p> <p>Manipulatives: Base 10 blocks, Unifix cubes, counters, two-color counters, color tiles, attribute blocks, tangrams, geometric solids, inch worms, geoboards, Cuisenaire rods, clocks, balance scales with ounce/pound and grams/kilogram weights, measurement containers, 1" wooden cubes, thermometers, coins and bills, tape measures, centimeter and gram cubes, rulers, meter/yard sticks, floor scales, fraction manipulatives, mirrors, spinners, number cubes, hundreds boards, clear plastic geometric volume set, and calculators</p>
5th Grade	<p><i>Problem Solving Experiences in Math</i>, Grade 5, Dale Seymour Publications</p> <p>Region IV Assessment CD Database, Grade 5 (English and Spanish)</p> <p>Accelerated Curriculum for Mathematics Grade 5 TAKS, Region IV</p> <p>Neufeld Math Intervention Software</p> <p><i>Texteam's</i> Problem Solving Board</p>

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	<p>Best of Exemplars, K-8 (CD-Rom)</p> <p>www.mathbenchmarks.org</p> <p>Manipulatives: Base 10 blocks, Unifix cubes, counters, two-color counters, color tiles, attribute blocks, tangrams, geometric solids, inch worms, geoboards, Cuisenaire rods, clocks, balance scales with ounce/pound and grams/kilogram weights, measurement containers, 1" wooden cubes, thermometers, coins and bills, tape measures, centimeter and gram cubes, rulers, meter/yard sticks, floor scales, fraction manipulatives, clear plastic geometric volume set, mirrors, spinners, number cubes, hundreds boards and calculators</p>
<p>6th Grade</p>	<p><i>Problem Solving Experiences in Math</i>, Grade 6, Dale Seymour Publications</p> <p><i>The Super Source, Series for Grades 5 – 6</i> Cuisenaire Company of America</p> <p><i>Algebra Thinking: First Experiences</i> Wright Group</p> <p><i>Hands-On Math!</i> The Center for Applied Research in Education</p> <p>Region IV Assessment CD Database, Grade 6 (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p><i>Texteam's</i> Problem Solving Board</p> <p>Best of Exemplars, K-8 (CD-Rom)</p> <p>www.mathbenchmarks.org</p> <p>Manipulatives: Graphing calculators, fraction manipulatives such as fraction strips or tiles, decimal manipulatives such as Base 10 blocks or decimal squares, color tiles, centimeter cubes, two-color counters, Cuisenaire rods, geoboards, pattern blocks, tangrams, snap cubes, dot and grid paper, number cubes, pattern blocks, protractors, rulers (customary and metric), meter/yard sticks, tape measures, balances, compasses, geoblocks, patty paper, wooden cubes, overhead manipulatives, and transparent spinners</p>
<p>7th Grade</p>	<p><i>Problem Solving Experiences in Math</i>, Grade 7, Dale Seymour Publications</p> <p><i>The Super Source, Series for Grades 7 – 8</i> Cuisenaire Company of America</p> <p><i>Algebra Thinking: First Experiences</i> Wright Group</p> <p><i>Hands-On Math!</i> The Center for Applied Research in Education</p> <p>Region IV Assessment CD Database, Grade 7 (English and Spanish)</p> <p>Neufeld Math Intervention Software</p> <p><i>Texteam's</i> Problem Solving Board</p> <p>Best of Exemplars, K-8 (CD-Rom)</p>

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Manipulatives: Graphing calculators, fraction manipulatives such as fraction strips or tiles, decimal manipulatives such as Base 10 blocks or decimal squares, color tiles, centimeter cubes, two-color counters, Cuisenaire rods, geoboards, pattern blocks, tangrams, snap cubes, dot and grid paper, number cubes, pattern blocks, protractors, rulers (customary and metric), meter/yard sticks, tape measures, balances, compasses, geoblocks, patty paper, wooden cubes, overhead manipulatives, and transparent spinners, trundle wheels, Algebra Tiles, and relational geometric shapes