

## Mathematics Program Selection Criteria- January 2008

<i>Criteria</i>	<i>Program: Harcourt School Publishers Mathematics (HSP Math)</i>
Alignment with GLE's	<b>HSP Math</b> program aligns with the NCTM standards and the NECAP Grade Level Expectations: Numbers and Operations; Geometry and Measurement; Functions and Algebra; Data Statistics and Probability
Research of Effectiveness	Each unit begins with a section that links what is being taught in the unit to research on best practices. <b>HSP Math</b> conducted research and consulted research to develop the program. Field tests with first and fourth grade classrooms demonstrate that the percentage of students scoring at the lowest two levels on the math test declined and the percentage scoring at the highest levels increased significantly.
Depth/breadth of textbook, workbook, resource materials, etc.	There is a great selection of student materials , teacher materials, and technology (see attached sheet for an example of the materials available for third grade students)
Assessments in classroom	Each grade level provides inventories for the beginning- and end-of-year assessments; chapter and unit pre- and post-assessments; management forms for individual students and groups; and student, teacher, and family portfolio guides
Parent communication component	Parent communication is included in multiple ways. Each chapter is accompanied with a letter explaining the skills and content being taught in the chapter, questions to discuss with children about skills and concepts in the chapter, and a game or activity that families can play that reinforce the skills the students are learning.
Enrichment component	Each grade level has an accompanying Enrichment manual with one page of enrichment for every lesson and one project for every chapter. The teacher's edition also provides suggestions and activities for differentiated instruction which includes activities for advanced learners. The <b>Think Math</b> program is designed to supplement the <b>HSP Math</b> Program through connections between topics and the exploration of multiple approaches to problems. Each lesson encourages students to think critically, discuss their ideas and write about their conclusions.
Student Grouping (grade or ability level)	Lessons can be taught for the whole class, small group, partners, and individual format
Common Language with GLE's	Vocabulary is introduced and reinforced throughout all levels of the program.
Teacher Support Materials and Training	Each chapter offers teachers the opportunity to view in a glance the progression of skills from entry level skills through summative assessment. Suggestions are made for related math activities in the content areas of science and social studies and literature. Professional development is also available through Harcourt School Publications in a variety of methods.
Problem Solving Emphasis	Problem solving is emphasized throughout the text as well as in a supplemental teacher's text designed to reinforce and extend problem solving strategies.
Real-Life Applications	Activities throughout each chapter relate skills to real-life experiences. There are also math concept readers at 3 reading levels per grade level.
Integration of Technology	Extensive links to technology for teachers, students, and parents.
Current Flow into Middle School	This program includes materials for K-6. The skills at each level are aligned with the standards which means that students who progress through the program should have the necessary skill, vocabulary, and conceptual frameworks to meet with success at the middle school level.
Use of Manipulatives & Program Integration	Each grade level has a manipulatives kit available for each student. The manipulatives are integrated throughout the lessons at every grade level.
Cost	See attached sheet. There is a core of materials necessary for instruction and an extensive collection of supplemental materials.