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Overview of Grades K-11 Mathematics Curriculum Support Materials

GRADES 2-11 OPEN-ENDED QUESTIONS AND TEACHER TRANSPARENCY MASTERS

These documents were designed as a major instructional tool for the classroom. Each grade level document consists of student focus pages that include open-ended questions and additional questioning strategies for each question, as well as teacher transparency masters that are a large font copy of the open-ended questions. This document assists teachers in the instruction of the TEKS, as well as assessment of student mastery of individual TEKS. There is no answer key provided for this document, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question. Teachers are encouraged to communicate with the authors regarding discussion of any question in this document. Grades 2-5 are available in Spanish. Grades 2-11 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007 & 2008.

GRADES 2-11 MULTIPLE CHOICE QUESTIONS DOCUMENT

These documents were created with classroom assessment of TEKS and tutorials in mind. The document provides teachers with numerous questions to assess student mastery of individual TEKS in TAKS format. All questions in this document are organized by TEKS. Although the document provides multiple choice answer and grid in answer formats, the questions can easily be utilized without the multiple-choice answers. There is no answer key provided for this document, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question. Teachers are encouraged to communicate with the authors regarding discussion of any question in this document. Grades 2-5 are available in Spanish. Grades 2-11 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007 & 2008.

GRADES 2-11 SPIRALED PRACTICE DOCUMENT

These documents were created with all students in mind and provide teachers with 125 sets of 3 spiraled questions to assess student mastery of TEKS assessed on TAKS. Each question in this document is correlated to a specific TEKS. Although the document provides multiple choice answer and grid in answer formats, the questions can easily be utilized without the multiple choice answers. There is no answer key provided for this document, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question. Teachers are encouraged to communicate with the authors regarding discussion of any question in this document. Grades 2-5 are available in Spanish. Grades 2-11 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007 & 2008.

GRADES 2-11 MATHEMATICS BENCHMARK ASSESSMENTS

These assessments were created in order to provide teachers with an assessment that includes the same number of questions as the actual TAKS assessment. This assessment gives teachers and students the opportunity to assess the TEKS, as well as an opportunity to assess the endurance level of students as they strive to complete an assessment the length of TAKS. An answer key and TEKS correlation is provided for each benchmark, as well as teacher notes regarding suggestions for administration of the assessment. Grades 2-5 are available in Spanish. Grades 2-11 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007 & 2008.

GRADES K-11 CLASS AND STUDENT PROFILES

These profile booklets were designed to enable teachers and students to keep record of mastery of all TEKS, not just the ones assessed on TAKS (profile booklets in grades 9-11 include only TEKS assessed on TAKS). Teachers keep a record to guide plans for instruction for each class they teach. Students keep a record so they will know their own individual strengths and weaknesses. Teachers view individual student profile booklets to guide plans for small group work and individualized tutorials. Grades 2-11 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007 & 2008.

GRADES K-5 TEKS/TAKS HANDS-ON INSTRUCTIONAL TASKS AND QUESTIONING STRATEGIES

These documents were designed as an instructional tool for the classroom. Each grade level document contains 18 hands-on activities directly correlated to multiple TEKS. The activities are designed to cause students to think critically and to problem solve. The tasks and games utilize manipulatives that are usually found on an elementary campus, such as number cubes, color tiles, pattern blocks, geoboards, linking cubes, Cuisenaire Rods, and tangrams. The activities are formatted in large font for duplication as a transparency or use in a learning center.

GRADES 3-5 TEKS-BASED MINI-ASSESSMENTS

These documents were designed to enhance student assessment to follow any Scope and Sequence based on the TEKS. Each grade level document includes over 50 ten-question Mini-Assessments for individual TEKS and major pieces of TEKS in TAKS format for TEKS assessed on TAKS and open-ended format for TEKS not assessed on TAKS. Formats for TEKS assessed on TAKS include multiple choice grid answers. An answer key and TEKS correlation is provided for each Mini-Assessment. Grades 3-5 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2008.

GRADES 6-8 TEKS-BASED ASSESSMENTS

These documents were designed to enhance student assessment to follow any Scope and Sequence based on the TEKS. Each grade level document includes over 50 five-question Mini-Assessments for individual TEKS and major pieces of TEKS in TAKS format, as well as 5 twenty-question Periodic Assessments of 10+ TEKS in TAKS format. Formats include multiple choice and grid answers. An answer key and TEKS correlation is provided for each Mini-Assessment and Periodic Assessment. Grades 6-8 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007.

GRADES 6-11, ALGEBRA I AND GEOMETRY TEKS/TAKS TUTORIALS

The focus of creation of these documents is small group and tutorial settings. These documents were designed to provide teachers with additional Open-Ended Assessments of the TEKS and additional Multiple-Choice Assessments of the TEKS in TAKS format organized by individual TEKS. The teacher is provided with a transparency master of the problem and the students are provided with a student page to complete while working with a partner. Each grade level document includes over 50 Open-Ended Assessments and over 50 Multiple-Choice Assessments. There is no answer key provided for this document, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question. Teachers are encouraged to communicate with the authors regarding discussion of any question in this document. Grades 6-8, Algebra I and Geometry reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2007.

GRADES 6-8 TEKS-BASED INSTRUCTIONAL ACTIVITIES

Each grade level document includes a variation of an Instructional Activity for all TEKS and major components of TEKS. The Instructional Activity includes teacher information regarding preparation for the activity, as well as questions to pose before and during the activity, and student responses to look for and listen for during the activity. The Instructional Activity is designed as an active, involved, hands-on activity for all students. Each grade level document includes over 50 Hands-On/Problem-Solving Open-Ended Instructional Activities by individual TEKS. The activities are designed for working in pairs and/or groups of 4 students. There is no answer key provided for this document, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question. Teachers are encouraged to communicate with the authors regarding discussion of any question in this document. Grades 6-8 reflect TEKS changes effective in Fall 2006, and TAKS Booklets 2007.

GRADES 3-8 TEKS-BASED OPEN-ENDED HOMEWORK ASSIGNMENTS

Each grade level document includes over 100 Homework assignments organized by specific TEKS or major components of TEKS. Each Homework assignment consists of 5 major open-ended problems, and a major problem may consist of several components. There is no answer key provided for this document, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question. Teachers are encouraged to communicate with the authors regarding discussion of any question in this document. Grades 3-8 reflect TEKS changes effective Fall 2006, and TAKS Booklet changes.

GRADES 2-5 TEKS-BASED MEASUREMENT LESSONS

Each grade level includes lessons by specific measurement TEKS or major components of TEKS. Each lesson consists of mathematics background for the teacher, instructional activities, student activities, open-ended problems, homeworks, and a mini-assessment in TAKS format. There is an answer key provided for mini-assessments only, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for questions in the lessons. Teachers are encouraged to communicate with the authors regarding discussion of any materials in these lessons. Grades 2-5 reflect changes in the TEKS effective in Fall 2006, and TAKS Booklets 2008.

GRADES 2-5 TEKS-BASED CSCOPE CURRICULUM SUPPORT

Each grade level includes Open-Ended questions sets and Open-Ended Homeworks for each TEKS in each CSCOPE Unit, as well as Mini-Assessments for each Unit. In addition, our materials include a Process Skills Unit for each Six Weeks to parallel the TEKS addressed in the CSCOPE Units. The Process Skills Unit includes Open-Ended questions sets, Open-Ended Homeworks, as well as Mini-Assessments. An answer key provided for mini-assessments only, as the author's philosophy is that each teacher should create a personalized Solutions Manual so the teacher becomes more familiar with the TEKS and assessment of the TEKS, as well as formulates various solution strategies for each question.

All TEKSING TOWARD TAKS materials are sold as a campus or district site license. All prices are based on current student enrollment by grade level. All materials are provided on CD in pdf format. Permission is granted to copy and provide a CD for all instructional personnel working with students on the grade level of the documents purchased. Special permission may be granted to place the materials on the district intranet if a district license is purchased. Authors' vision for implementation, Table of Contents, and samples for all documents for all grade levels, Algebra I and Geometry, may be viewed and printed from our website: <http://users.htcomp.net/TAKS/>