

MathConnects

Spring 2011



Outcome:

Be familiar with the Math Connects text and other Math Connects resources to effectively and efficiently begin planning your mathematics instruction for next year with these materials as your primary curriculum resource.

MathConnects

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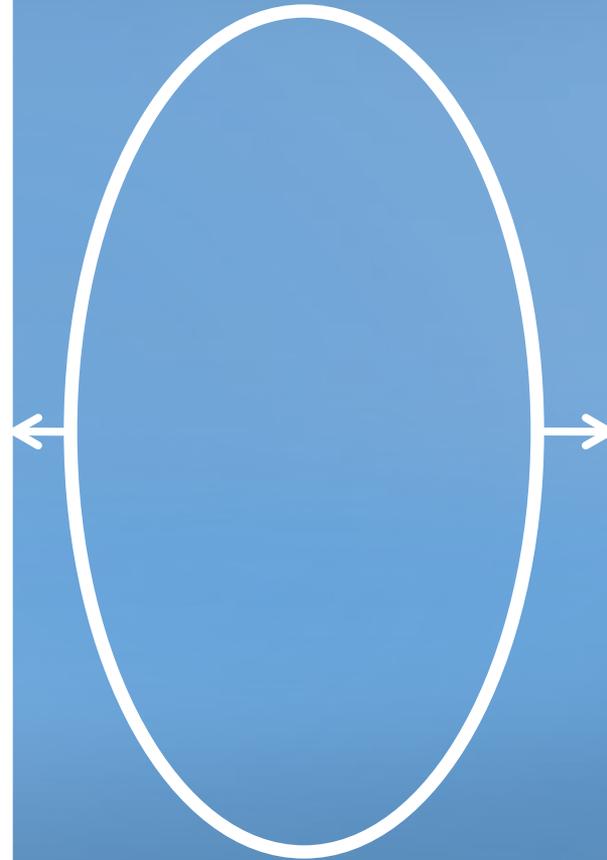
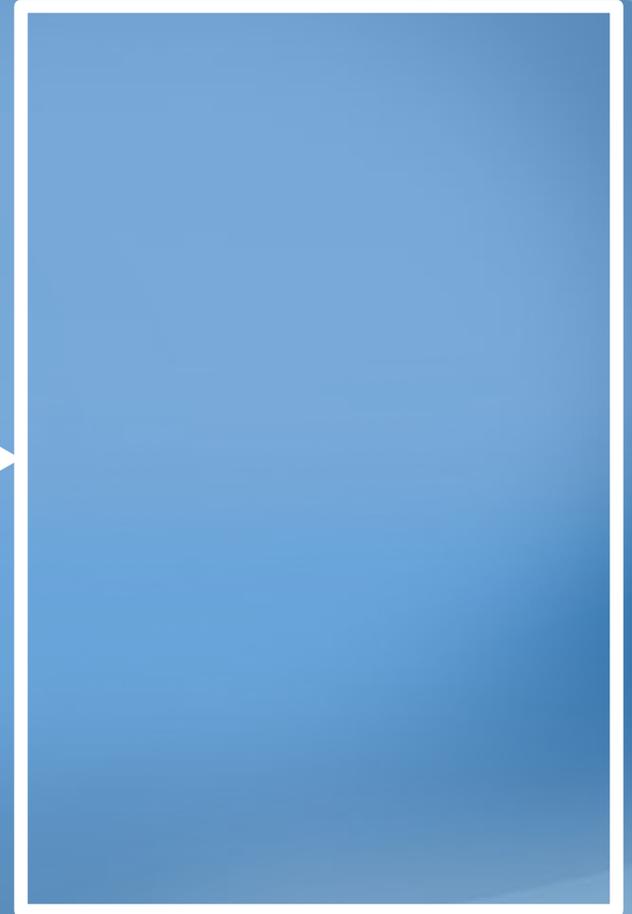
Student Edition

Compare and Contrast

Current Text



New Text



Student Edition Features - Text

- Each Unit
 - Focus
 - Big Ideas
 - Real-World Project
- Each Chapter
 - Big Idea
 - Get Ready
 - Key Vocabulary
 - Chapter Foldable
 - Real-World Link

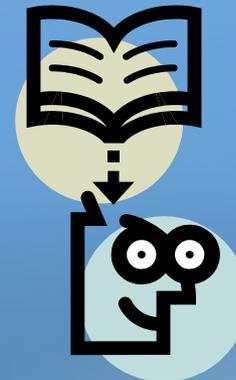


Student Edition Features - Text

Each Lesson

- Get Ready for the Lesson or Mini Lab **NEW**
- Check Your Progress
- Check Your Understanding
- Digital Component **NEW**

- H.O.T. Problems **NEW**
- Test Practice
- Spiral Review **NEW**
- Get Ready **NEW**
- Practice and Problem Solving





Student Edition Features

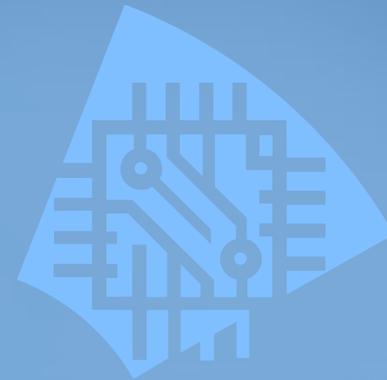
Multiple Opportunities for Self Assessment

- Beginning of Chapter Tests
- Check Your Progress Activities
- Self-Check Quiz (online)
- Get Ready for Next Lesson
- Mid-Chapter Quiz
- Study Guide and Review
- Practice Test (with online options)
- Standardized Test Practice



Student Edition Features - Online

- Audio Files
- Extra Examples
- Personal Tutor
- Self Check Quizzes and Practice Tests
- Reading in the Content Area
- Hotmath.com
- Supported by StudentWorks *Plus* DVD and requires registration and a passcode for access.





Additional Student Materials

- Quick Review Math Handbook
- Student Manipulatives Kit
- Noteables: Interactive Study Notebook ©
- Skills Practice Workbook ©
- Math Skills Maintenance Workbook ©
- Study Guide & Intervention/Practice Workbook ©
- Word Problem Practice Workbook ©



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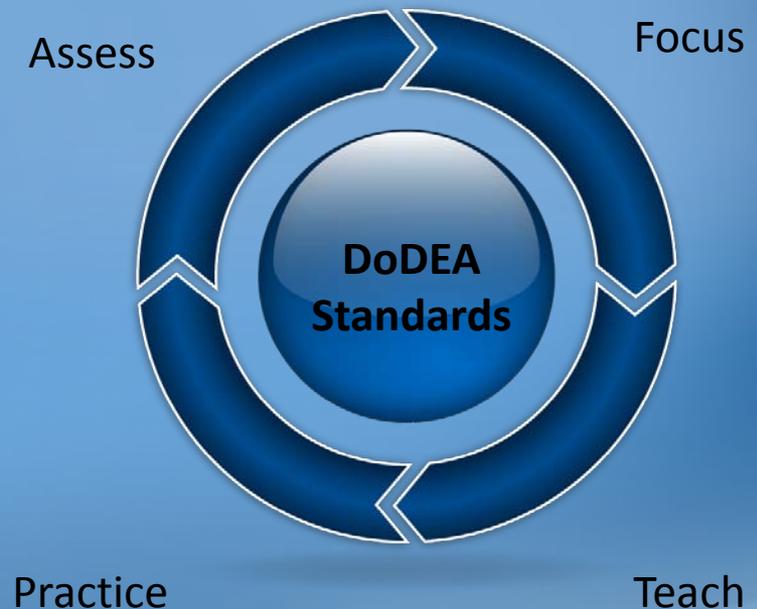
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Teacher
Resources

Teacher Wrap-Around Edition

- Best Instructional Practices (Focus, Teach, Practice, Assess)
- Standards-Based Instruction
- Differentiated Instruction Options
- Technology Options
- References to Other Resources



Ancillary Materials: Teacher Classroom Resources



- Real World Investigations for Differentiated Instruction
- Noteables Interactive Study Notebook (TE)
- Leveled Lesson Resources (TE)
Reading Guide, Study Guide and Intervention, Skills Practice, Practice, Word Problem Practice, Enrichment
- Real World Problem Solving Graphic Novels



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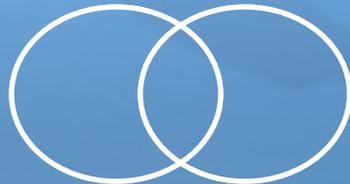
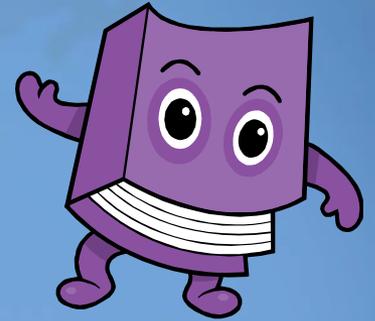


Assessment

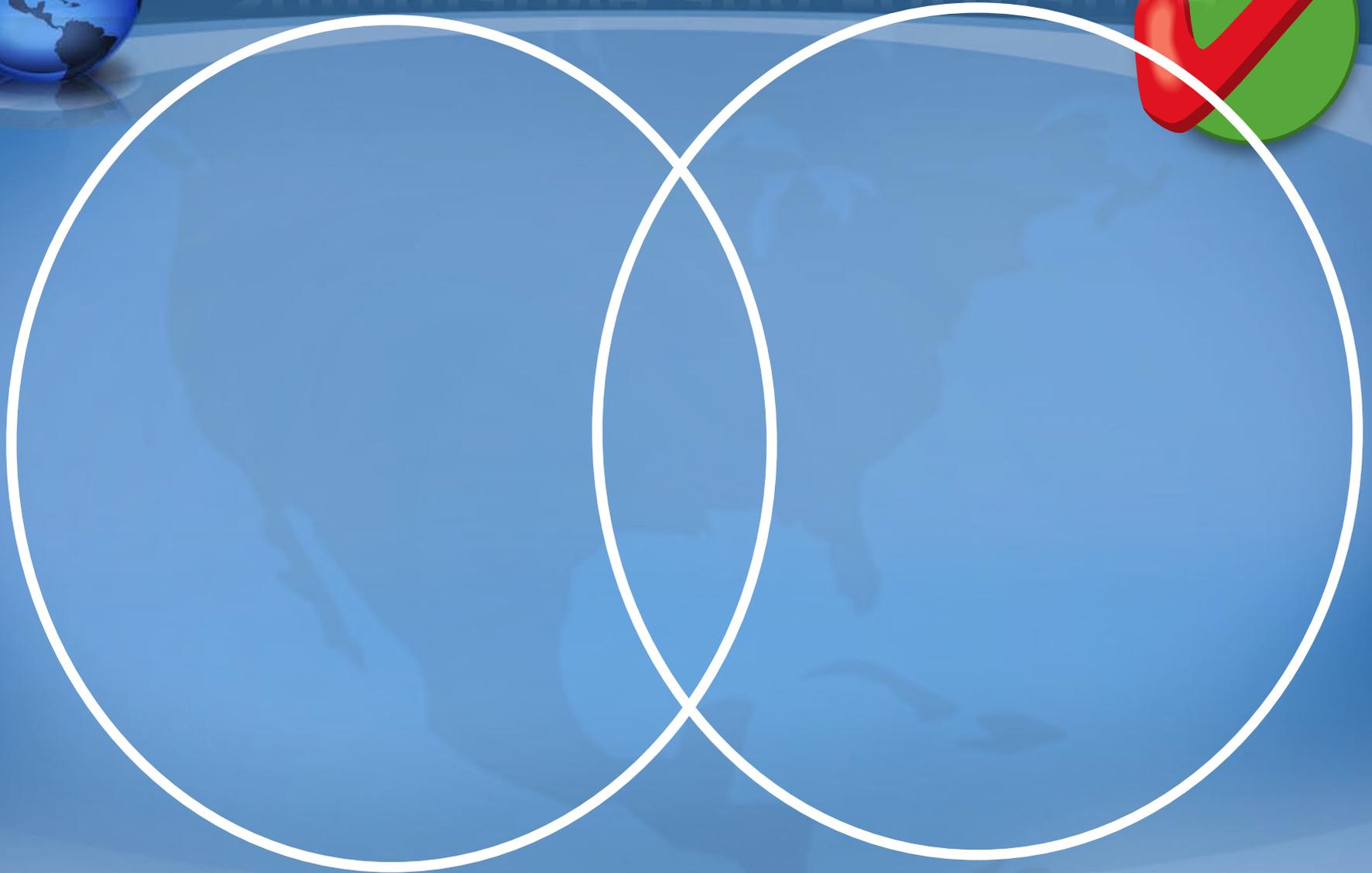


Assessment Materials

- What assessments are available to the teacher and student?
- Which would you use as formative assessment? Which would you use as summative assessment?



Summative and Formative



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Technology



Assessment : ExamView Suite

- **Import Utility:** Imports information into the suite 
- **Test Generator:** Creates tests using teacher created items, item banks or complete tests from program materials. 
- **Test Manager:** Scores tests, records and monitors student progress and can be used to perform item analyses, provides report for feedback. 
- **Test Player:** Allows students to take assessments 



Interactive Classroom

- 5 minute review (for each lesson)
 - In PowerPoint format
- Lessons that parallel the text book
 - Main Idea, Vocabulary, Examples, Key Concepts, Check Your Progress, 5-Minute Checks
- Image Bank
 - Common images to cut and paste into documents
- Tools
 - Interactive tools and manipulatives.





Other Electronic Resources

- **TeacherWorks**
 - Lesson Planner, Personal Assistant, Correlations, Electronic Classroom Resource Files
- **Assignment Works**
 - produces electronic copies of text assignments that can be printed or posted with or without detailed solutions or answers
- **Super DVD**
 - Application Videos and “Mindjogger” video quizzes
- **StudentWorks DVD**
 - Electronic Textbook and Links to Online Resources





Unpacking the Standards



- DoDEA Standards
- Use the materials to plan a lesson.
- Review the various pieces of technology.
- Look at the materials for differentiation.
- Review the various components for assessment.



Linking Standards Math 6, 7, & 8

DoDEA Standard	Lesson and Objective	Essential Understanding	Activity	Assessment	Strengths and Challenges



What Did You Find?



- What ideas did you develop about using these materials?
- What features do you think will be most useful? Why?
- Which features do you think might need further development? Why? How might you develop them?

Next Steps



- In the beginning of School Year 2011-2012 there will be a 1-day professional development session.
- During 2011-2012 there will be 3 half-day professional development sessions.



Math Connects Closing

- **Two Stars and a Wish**



- ★ Write down two things that you learned or liked about the new Math Connects text.

- ★ Something that you would like to learn more about.