

Middle School Math Instructional Materials Adoption Recommendation Rationale

The District Middle School Mathematics Instructional Materials Adoption Committee is recommending the following materials:

MJ Mathematics 2

[Dixon, Burger, et al. Go Math: Math 2, Houghton Mifflin Harcourt 2015, FL](#)

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida Standards for MJ Math 2
- Applicable to students' lives
- Wide variety of practice problems included
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Varied and relevant problem solving tasks
- QR code links to videos
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- Consumable student edition
- Interactive whiteboard lessons
- Online assessment system with grading and reporting
- Editable assessments
- QR codes to use with Smartphones and other digital devices to access videos and Personal Math Trainer

MJ Mathematics 2 Advanced

[Dixon, Burger, et al. Go Math Advanced: Math 2 Advanced, Houghton Mifflin Harcourt 2015, FL](#)

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida Standards for MJ Math 2
- Applicable to students' lives
- Wide variety of practice problems included
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Varied and relevant problem solving tasks
- QR code links to videos
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- Consumable student edition
- Interactive whiteboard lessons
- Online assessment system with grading and reporting
- Editable assessments
- QR codes to use with Smartphones and other digital devices to access videos and Personal Math Trainer

MJ Pre-Algebra

Dixon, Burger, et al. *Go Math Pre-Algebra*, Houghton Mifflin Harcourt 2015, FL

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida Standards for MJ Math 2
- Applicable to students' lives
- Wide variety of practice problems included
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Varied and relevant problem solving tasks
- QR code links to videos
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- Consumable student edition
- Interactive whiteboard lessons
- Online assessment system with grading and reporting
- Editable assessments
- QR codes to use with Smartphones and other digital devices to access videos and Personal Math Trainer

Algebra 1 Honors and Algebra 1

Dixon, Burger, et al. *Algebra 1 Analyze, Connect, Explore*, Houghton Mifflin Harcourt 2015, FL

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida Standards for MJ Math 2
- Applicable to students' lives
- Wide variety of practice problems included
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Varied and relevant problem solving tasks
- QR code links to videos
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- Consumable student edition
- Interactive whiteboard lessons
- Online assessment system with grading and reporting
- Editable assessments
- QR codes to use with Smartphones and other digital devices to access videos and Personal Math Trainer

High School Math Instructional Materials Adoption Recommendation Rationale

The District High School Mathematics Instructional Materials Adoption Committee is recommending the following materials:

Blended Learning Model

Algebra 1, Algebra 1A/B, Geometry, Geometry Honors, Algebra 2, & Algebra 2 Honors

[Carnegie Learning, Inc. Carnegie Learning Algebra 1: A Florida Common Core Program, Carnegie Learning 2015, FL](#)

[Carnegie Learning, Inc. Carnegie Learning Geometry: A Florida Common Core Program, Carnegie Learning 2015, FL](#)

[Carnegie Learning, Inc. Carnegie Learning Algebra 2: A Florida Common Core Program, Carnegie Learning 2015, FL](#)

The justification for this selection is:

- Engages all levels of student learners, all levels of DOK
- Clearly addresses the Florida State Standards for Algebra 1, Geometry, and Algebra 2
- Incorporates the mathematical practices
- Applicable to students' lives and provides numerous real world problems
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews, adapts to students needs
- Varied and relevant problem solving tasks
- Individualized tutorials for each lesson
- Differentiated instruction resources in every lesson
- Readiness assessments
- Consumable student edition
- Online assessment system with grading and reporting
- Provides incentives for students who use the program
- Editable assessments
- Wide support of professional development
- Research based, grows with students
- Support for parents and bridges the gap from school to home
- Provided in English and Spanish (full Spanish online resources also)
- Ease of use for student and teacher
- EOC prep modules
- Additional practice provided in student skills practice and student assignments ancillaries
- Online, all students have access to Pre-Algebra, Algebra 1, Geometry, and Algebra 2 regardless what course the student is enrolled in. This allows for differentiation and bridging knowledge gaps.
- Power points available for every lesson
- Writing embedded within examples and problems
- Ratio 60-70% classroom : 30-40% online

Print Model

Algebra 1A/B

[Larson & Boswell, Big Ideas Algebra 1: A Common Core Curriculum Florida Edition, Big Ideas Learning, LLC 2015, FL](#)

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida State Standards for Algebra 1 A/B
- Incorporates the mathematical practices
- Applicable to students' lives
- Engaging activities provided for each lesson in student workbook
- Wide variety of practice problems included and in ancillaries

- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Dynamic Classroom: Technology for the teacher lesson plans
- Varied and relevant problem solving tasks
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- Item analysis completed for assessments
- Editable assessments
- Assessments correlated to the DOK levels
- Numerous digital resources
- Available on EBook
- Own test bank
- Ease of use

Algebra 1, Geometry, & Algebra 2

Burger, Chard, Kennedy, Leinwand, Renfro, Roby, Seymour, & Waits. Algebra 1 with Florida Explorations in Core Math, Houghton Mifflin Harcourt 2015, FL

Burger, Chard, Kennedy, Leinwand, Renfro, Roby, Seymour, & Waits. Geometry with Florida Explorations in Core Math, Houghton Mifflin Harcourt 2015, FL

Burger, Chard, Kennedy, Leinwand, Renfro, Roby, Seymour, & Waits. Algebra 2 with Florida Explorations in Core Math, Houghton Mifflin Harcourt 2015, FL

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida State Standards for Algebra 1, Geometry, and Algebra 2
- Applicable to students' lives and provides numerous real world applications
- Wide variety of practice problems included
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Varied and relevant problem solving tasks
- QR code links to videos
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- Consumable student edition along with separate classroom set of hard bound texts
- Online assessment system with grading and reporting
- Editable and algorithmic assessments
- QR codes to use with smartphones and other digital devices to access videos and Personal Math Trainer
- Easy to use
- Quality professional development
- Power points available for every lesson
- Writing embedded within examples and problems

Geometry Honors

Glencoe-McGraw Hill, Geometry, McGraw-Hill School Education, LLC 2015 FL

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida State Standards for Geometry Honors
- Wide variety of practice problems included (quality and quantity)
- Strong ancillary materials-audio, visual-online
- Variety of built in reviews
- Varied and relevant problem solving tasks
- Performance tasks for rich learning in every chapter
- Individualized tutorials for each lesson
- Essential Questions written in teacher and student language
- Differentiated instruction resources in every lesson
- Readiness assessments
- E-Assess: Online assessment system with automatic grading and reporting
- Editable and algorithmic assessments
- Access available on smartphones
- Easy to use
- Quality professional development
- Power points available for every lesson
- CINCH learning online support: PPTs, real world applications, practice problems, tutors, videos, dynamic activities
- ALEKS: individualized instruction online, differentiates for each student, rigor for all

Algebra 2 Honors

[Blitzer, Algebra and Trigonometry, Pearson Education, Inc., publishing as Prentice Hall, 2014](#)

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida State Standards for Algebra 2 Honors
- Wide variety of practice problems included (quality and quantity)
- Editable test generator
- True rigor included in the text
- Focus on critical thinking and student-centered learning environment
- Prepare students to be college ready
- Video tutors (also YouTube videos provided)
- PPT for every lesson
- Real world application problems
- Writing embedded within examples and problems
- Math XL provided for at least one year for support
- Math XL provides differentiation to individualized students

Advanced Topics in Mathematics

[Young, Precalculus: with Limits, John Wiley and Sons, 2010](#)

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida State Standards for Advanced Topics in Mathematics
- Wide variety of practice problems included
- Real world application problems
- Written to the appropriate level of students, clear and concise
- Help bridge gaps between school and home

- Student E-Text available: download book to your computer, log-in from the library, use iPad or iPhone
- Student's individualized notes and hi-lights available on E-Text
- WileyPlus: Online management system

Precalculus Honors

Stewart, Redlin, & Watson, *Precalculus: Math for Calculus*, Cengage/National Geographic, 2012 6th ed

The justification for this selection is:

- Engages all levels of student learners
- Clearly addresses the Florida State Standards for Advanced Topics in Mathematics
- Wide variety of practice problems included
- Real world application problems
- Calc Chat available for students
- Error analysis problems for deep conceptual understanding
- App for smartphones
- True rigor
- CourseMate Premium website: additional online resources for students
- Note taking guide
- Comes with complete solutions manual and lesson plans
- Aligns to AP Calculus

Liberal Arts Math 1

Blitzer, *Thinking Mathematically*, Pearson Education, Inc., publishing as Prentice Hall, 2011

The justification for this selection is:

- Engages all levels of student learners
- Addresses Florida State Standards for Liberal Arts Math 1
- Wide variety of practice problems included (quality and quantity)
- Editable test generator
- Basic but rigorous
- PPT for every lesson
- Videos provided on DVD's
- Real world application problems
- Math XL provided for at least one year for support
- Math XL provides differentiation to individualized students

Math for College Readiness

Martin-Gay, *Intermediate Algebra*, Pearson Education, Inc., publishing as Prentice Hall, 2013

The justification for this selection is:

- Engages all levels of student learners
- Addresses Florida State Standards for Math for College Readiness
- Wide variety of practice problems included (quality and quantity)
- Editable test generator
- PPT for every lesson
- Student organizer
- Alignment with student achievement
- Real world application problems
- Math XL provided for at least one year for support
- Math XL provides differentiation to individualized students