

Welcome to the Ascend Math Sandbox School for Florida Evaluators. This "sandbox" environment allows you to experience Ascend Math both as a teacher and a student. You are sharing this sandbox with other Ascend Math evaluators.

Please follow each step in this sandbox guide to become familiar with the program.

Step 1: Watch (or re-watch) this video FIRST:



What Makes Ascend Math Different for Teachers.

http://ascendmath.com/demo_center_teacher.html

Step 2: Log in to Ascend Math by visiting www.myascendmath.com and entering the student login credentials supplied to you.

Typically, Ascend Math presents a screener (Level Recommendation) to new learners, but this sandbox trial is <u>designed to show the instructional components</u> of the program. (The login to the adaptive screener is available in "Logins"). When



you log in as a student, you will see that your student has already completed the Screener (Level Recommendation). The students will be ready to begin the first unit assessment of the level in which they are placed.

<u>Complete ALL</u> problems on this unit assessment to get a feel for the automated prescriptive components. Answer some problems correctly, but also miss a few so you will have skill gaps to work through. Then complete the first few lessons of your individualized study plan, which will

be automatically assigned after the unit assessment. We encourage you to complete the entire unit. (You will know when you complete a unit because you will receive a flag on the student home page.)

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Logins follow – 15 Students logins, plus teacher login, each:

Lower Elementary

Upper Elementary

Middle School

High School

Algebra I

Algebra II

Geometry

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Lower Elementary Reviewer Teacher Login

See Step 4 below "How to use Ascend for Group Instruction"

| School Name | User Name | Password |
|----------------|-----------|----------|
| Collier | Teacher1 | teacher |

Reviewer Student Logins

Please browse to <u>www.myascendmath.com</u>

Logins to show SAMPLE content AT Functional Level For complete scope and sequence click here.

| School | | | |
|---------|-------------|----------|----------------|
| Name | User Name | Password | LEVEL / COURSE |
| Collier | ScholarLE1 | scholar | 1 |
| Collier | ScholarLE2 | scholar | 1 |
| Collier | ScholarLE3 | scholar | 1 |
| Collier | ScholarLE4 | scholar | 1 |
| Collier | ScholarLE5 | scholar | 1 |
| Collier | ScholarLE6 | scholar | 1 |
| Collier | ScholarLE7 | scholar | 1 |
| Collier | ScholarLE8 | scholar | 1 |
| Collier | ScholarLE9 | scholar | 1 |
| Collier | ScholarLE10 | scholar | 1 |
| Collier | ScholarLE11 | scholar | 1 |
| Collier | ScholarLE12 | scholar | 1 |
| Collier | ScholarLE13 | scholar | 1 |
| Collier | ScholarLE14 | scholar | 1 |
| Collier | ScholarLE15 | scholar | 1 |

Login to demonstrate adaptive screener (Level Recommendation)

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Upper Elementary Reviewer Teacher Login

See Step 4 below "How to use Ascend for Group Instruction"

| School Name | User Name | Password |
|----------------|-----------|----------|
| Collier | Teacher1 | teacher |

Reviewer Student Logins

Please browse to www.myascendmath.com

Logins to show SAMPLE content AT Functional Level

For complete scope and sequence click here.

| To complete scope and sequence click here. | | | |
|--|-------------|----------|--------------|
| School | | | |
| Name | User Name | Password | LEVEL/COURSE |
| Collier | ScholarUE1 | scholar | 4 |
| Collier | ScholarUE2 | scholar | 4 |
| Collier | ScholarUE3 | scholar | 4 |
| Collier | ScholarUE4 | scholar | 4 |
| Collier | ScholarUE5 | scholar | 4 |
| Collier | ScholarUE6 | scholar | 4 |
| Collier | ScholarUE7 | scholar | 4 |
| Collier | ScholarUE8 | scholar | 4 |
| Collier | ScholarUE9 | scholar | 4 |
| Collier | ScholarUE10 | scholar | 4 |
| Collier | ScholarUE11 | scholar | 4 |
| Collier | ScholarUE12 | scholar | 4 |
| Collier | ScholarUE13 | scholar | 4 |
| Collier | ScholarUE14 | scholar | 4 |
| Collier | ScholarUE15 | scholar | 4 |

Login to demonstrate adaptive screener (Level Recommendation)

| School Name | User Name | Password | LEVEL/COURSE | Status |
|----------------|--------------|----------|-------------------------|-------------------------|
| | | | Dependent upon screener | |
| Collier | ScreenerUELR | screener | result | Assigned to LR screener |

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Middle School Reviewer Teacher Login

See Step 4 below "How to use Ascend for Group Instruction"

| School Name | User Name | Password |
|----------------|-----------|----------|
| Collier | Teacher2 | teacher |

Reviewer Student Logins

Please browse to <u>www.myascendmath.com</u>

Logins to show SAMPLE content AT Functional Level

For complete scope and sequence click here.

| School | | | |
|---------|-------------|----------|--------------|
| Name | User Name | Password | LEVEL/COURSE |
| Collier | ScholarMS1 | scholar | 7 |
| Collier | ScholarMS2 | scholar | 7 |
| Collier | ScholarMS3 | scholar | 7 |
| Collier | ScholarMS4 | scholar | 7 |
| Collier | ScholarMS5 | scholar | 7 |
| Collier | ScholarMS6 | scholar | 7 |
| Collier | ScholarMS7 | scholar | 7 |
| Collier | ScholarMS8 | scholar | 7 |
| Collier | ScholarMS9 | scholar | 7 |
| Collier | ScholarMS10 | scholar | 7 |
| Collier | ScholarMS11 | scholar | 7 |
| Collier | ScholarMS12 | scholar | 7 |
| Collier | ScholarMS13 | scholar | 7 |
| Collier | ScholarMS14 | scholar | 7 |
| Collier | ScholarMS15 | scholar | 7 |

Login to demonstrate adaptive screener (Level Recommendation)

| School Name | User Name | Password | LEVEL/COURSE | Status |
|----------------|--------------|----------|---------------|-------------------------|
| | | | Dependent | |
| | | | upon screener | |
| Collier | ScreenerMSLR | screener | result | Assigned to LR screener |

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High School Reviewer Teacher Login

- See Step 4 below "How to use Ascend for Group Instruction"

| School | | |
|---------|-----------|----------|
| Name | User Name | Password |
| Collier | Teacher3 | teacher |

Reviewer Student Logins

Please browse to <u>www.myascendmath.com</u>

Logins to show SAMPLE content AT Functional Level

For complete scope and sequence click here.

| School Name | User Name | Password | LEVEL/COURSE |
|----------------|-------------|----------|--------------|
| Collier | ScholarHS1 | scholar | 9-12 |
| Collier | ScholarHS2 | scholar | 9-12 |
| Collier | ScholarHS3 | scholar | 9-12 |
| Collier | ScholarHS4 | scholar | 9-12 |
| Collier | ScholarHS5 | scholar | 9-12 |
| Collier | ScholarHS6 | scholar | 9-12 |
| Collier | ScholarHS7 | scholar | 9-12 |
| Collier | ScholarHS8 | scholar | 9-12 |
| Collier | ScholarHS9 | scholar | 9-12 |
| Collier | ScholarHS10 | scholar | 9-12 |
| Collier | ScholarHS11 | scholar | 9-12 |
| Collier | ScholarHS12 | scholar | 9-12 |
| Collier | ScholarHS13 | scholar | 9-12 |
| Collier | ScholarHS14 | scholar | 9-12 |
| Collier | ScholarHS15 | scholar | 9-12 |

Login to demonstrate adaptive screener (Level Recommendation)

| School Name | User Name | Password | LEVEL/COURSE | Status |
|----------------|--------------|----------|--------------------------------|-------------------------|
| Collier | ScreenerHSLR | screener | Dependent upon screener result | Assigned to LR screener |

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Algebra I Reviewer Teacher Login

- See Step 4 below "How to use Ascend for Group Instruction"

| School Name | User Name | Password |
|----------------|-----------|----------|
| Collier | Teacher3 | teacher |

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Logins to show SAMPLE content AT Functional Level

For complete scope and sequence click here.

| School | | | |
|---------|--------------|----------|--------------|
| Name | User Name | Password | LEVEL/COURSE |
| Collier | ScholarAlg1 | scholar | Algebra I |
| Collier | ScholarAlg2 | scholar | Algebra I |
| Collier | ScholarAlg3 | scholar | Algebra I |
| Collier | ScholarAlg4 | scholar | Algebra I |
| Collier | ScholarAlg5 | scholar | Algebra I |
| Collier | ScholarAlg6 | scholar | Algebra I |
| Collier | ScholarAlg7 | scholar | Algebra I |
| Collier | ScholarAlg8 | scholar | Algebra I |
| Collier | ScholarAlg9 | scholar | Algebra I |
| Collier | ScholarAlg10 | scholar | Algebra I |
| Collier | ScholarAlg11 | scholar | Algebra I |
| Collier | ScholarAlg12 | scholar | Algebra I |
| Collier | ScholarAlg13 | scholar | Algebra I |
| Collier | ScholarAlg14 | scholar | Algebra I |
| Collier | ScholarAlg15 | scholar | Algebra I |

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Algebra II Reviewer Teacher Login

- See Step 4 below "How to use Ascend for Group Instruction"

| School Name | User Name | Password |
|----------------|-----------|----------|
| Collier | Teacher3 | teacher |

Reviewer Student Logins

Please browse to <u>www.myascendmath.com</u>

Logins to show SAMPLE content AT Functional Level

For complete scope and sequence click here.

| School | | | |
|---------|-------------|----------|--------------|
| Name | User Name | Password | LEVEL/COURSE |
| Collier | ScholarA21 | scholar | Algebra II |
| Collier | ScholarA22 | scholar | Algebra II |
| Collier | ScholarA23 | scholar | Algebra II |
| Collier | ScholarA24 | scholar | Algebra II |
| Collier | ScholarA25 | scholar | Algebra II |
| Collier | ScholarA26 | scholar | Algebra II |
| Collier | ScholarA27 | scholar | Algebra II |
| Collier | ScholarA28 | scholar | Algebra II |
| Collier | ScholarA29 | scholar | Algebra II |
| Collier | ScholarA210 | scholar | Algebra II |
| Collier | ScholarA211 | scholar | Algebra II |
| Collier | ScholarA212 | scholar | Algebra II |
| Collier | ScholarA213 | scholar | Algebra II |
| Collier | ScholarA214 | scholar | Algebra II |
| Collier | ScholarA215 | scholar | Algebra II |

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Geometry Reviewer Teacher Login

- See Step 4 below "How to use Ascend for Group Instruction"

| School Name | User Name | Password |
|----------------|-----------|----------|
| Collier | Teacher3 | teacher |

Reviewer Student Logins

Please browse to <u>www.myascendmath.com</u>

Logins to show SAMPLE content AT Functional Level

For complete scope and sequence click here.

| School | | | |
|---------|--------------|----------|---------------|
| Name | User Name | Password | LEVEL/COURSE |
| IVAITIC | Oser Name | rassworu | LLVLL/ COOKSL |
| Collier | ScholarGeo1 | scholar | Geometry |
| Collier | ScholarGeo2 | scholar | Geometry |
| Collier | ScholarGeo3 | scholar | Geometry |
| Collier | ScholarGeo4 | scholar | Geometry |
| Collier | ScholarGeo5 | scholar | Geometry |
| Collier | ScholarGeo6 | scholar | Geometry |
| Collier | ScholarGeo7 | scholar | Geometry |
| Collier | ScholarGeo8 | scholar | Geometry |
| Collier | ScholarGeo9 | scholar | Geometry |
| Collier | ScholarGeo10 | scholar | Geometry |
| Collier | ScholarGeo11 | scholar | Geometry |
| Collier | ScholarGeo12 | scholar | Geometry |
| Collier | ScholarGeo13 | scholar | Geometry |
| Collier | ScholarGeo14 | scholar | Geometry |
| Collier | ScholarGeo15 | scholar | Geometry |

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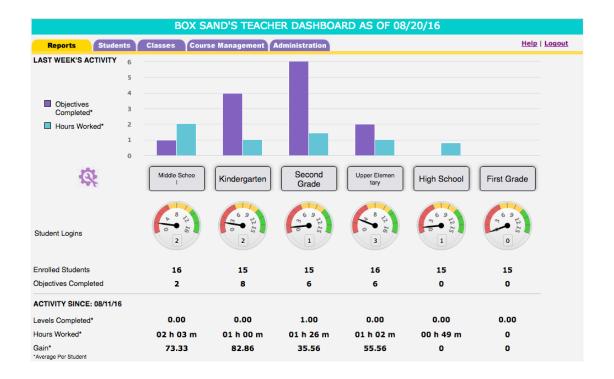
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When using your teacher login you will be presented immediately with the Teacher Dashboard.

- See Step 4 below "How to use Ascend for Group Instruction"

Note: Some evaluators are sharing the same teacher for the purposes of a more robust Dashboard.



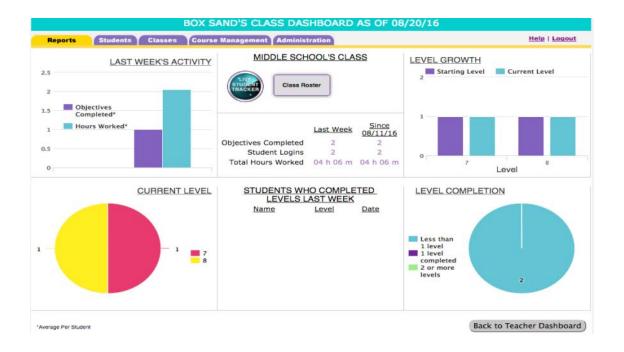
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Clicking the grey class name tile takes you to the Class Dashboard. Teachers use this Class Dashboard frequently as an indispensable tool to efficiently monitor class and student progress. Take a moment to explore the graphs and information presented.



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Step 3 (cont.):

Click on Class Roster. A roster spreadsheet containing user names, passwords, and level data will automatically download. You may save or print this list for future reference. For all sandbox students, their user name is their first name and their password is their grade level. Some example students have "celebrity"] names in lower-case text (e.g., Bugs Bunny, Boo Boo). Feel free to log in as any celebrity student to experience Ascend Math as a student. (Note: The non-celebrity students belong to other educators participating in this same sandbox, so please do not log in as an all-caps student belonging to someone else.)

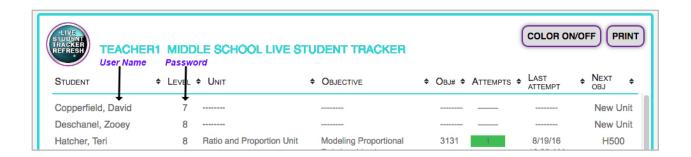
| Class Roster | | | | Accord M | |
|--------------|------------|------------|-----------|--------------|---------------|
| Report Date: | | 08/22/2016 | | /// | Ascend N |
| School Name: | • | SandBox | | | |
| Teacher Name |) : | Teacher1 | | | |
| User Name | Password | First Name | Last Name | Actual Grade | Class Name |
| Teri | 8 | Teri | Hatcher | 8th Grade | Middle School |
| Tommy | 6 | Tommy | LeeJones | 8th Grade | Middle School |
| SANDY | Sandy | SANDY | WORTH | 6th Grade | Middle School |
| Derek | 7 | Derek | Hough | 8th Grade | Middle School |
| Chuck | 7 | Chuck | Lorre | 8th Grade | Middle School |

Check out the Live Student Tracker (LST), a real time report that lists each student in the class, their level, and current/next lesson information. Sorting this report by current lesson allows you to identify students who are working on the same objective, which can be helpful when considering small group instruction.

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Step 4: Explore the Course Management Tab.

Under the Course Management tab, you will be able to preview lessons and view the Unit Summary Report. Clicking on the blue objective title allows you to preview the lesson as a student (hit the "back" button to return to the teacher interface).

How to use Ascend for Group Instruction

Previewing lessons as a teacher is a quick way to observe multiple lessons without having to complete all activities required of a student. Reviewing lessons using a teacher login has limitations because it will not demonstrate the prescriptive architecture of the program that is available with a student login. Ascend Math's prescriptive course plan continuously adjusts and is driven by student preassessments and post assessments using a student login. For a guide of which lessons to preview that demonstrate a conceptual learning path over multiple levels refer to Ascend Math Instructional Content Review Self Learner Guide.

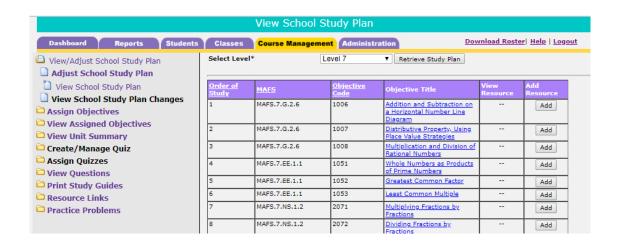
Note that Clicking on this objective is how teachers can utilize Ascend Math lessons for Group Instruction. Refer to Using Ascend Math for Group Instruction.

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The Unit Summary Report shows the scope and sequence of student lessons. Simply select the level you wish to view and click the "View Units Report" button to see a list of the scope and sequence. Or Click Here for the Scope and Sequence. This scope and sequence highlights on level objectives and support objectives for scaffolding.

Level 7 Unit Report Summary



Step 5: Check out the *Six Things You Need to Know*.

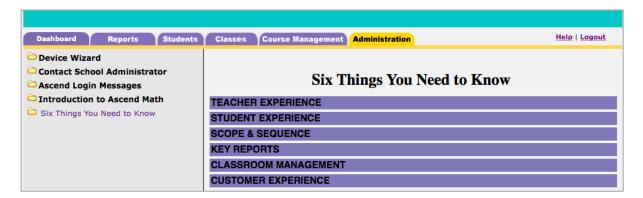
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Educators new to Ascend Math will appreciate the help resource entitled "Six Things You Need to Know," which can be found on the Administration tab. This handy guide contains helpful tutorials divided into six categories. Explore each heading to see how teachers will have answers to the most commonly asked questions at their fingertips.



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Alignment to the Florida State Standards

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title | | |
|-------------------------------|--|---|--|--|--|
| Introduction to Patter | <u>Introduction to Patterns - Level Kindergarten</u> | | | | |
| | E1.01.A | MAFS-K.G.1, MAFS-K.MD.3 | Which Item Does Not Belong? | | |
| | E1.01.B | MAFS-K.G.1, MAFS-K.MD.3 | What is Next in the Pattern? | | |
| | | MAFS-K.CC.1, MAFS-K.CC.2, | | | |
| | E1.01.C | MAFS-K.CC.3, MAFS-K.CC.4, | Counting Objects | | |
| | | MAFS-K.CC.5 | | | |
| | | MAFS-K.CC.1, MAFS-K.CC.2, | | | |
| | E1.01.D | MAFS-K.CC.3, MAFS-K.CC.4, | Which Number Comes Next? | | |
| | | MAFS-K.CC.5 | | | |
| | E5.02.A | MAFS-K.CC.6, MAFS-K.CC.7 | Counting and Comparing Objects, Most and Least | | |
| | E5.02.B | MAFS-K.CC.6, MAFS-K.CC.7 | Counting and Comparing Objects, Greater and Less Than | | |
| | | MAFS-K.CC.1, MAFS-K.CC.2, | | | |
| | E1.08.A | MAFS-K.CC.3, MAFS-K.CC.4, | Counting to 100 | | |
| | | MAFS-K.CC.5 | | | |
| | E5.05 | MAFS-K.G.1, MAFS-K.G.2, MAFS-K.G.3, MAFS-K.G.4, | Identifying Shapes | | |
| | | MAFS-K.G.5, MAFS-K.G.6, MAFS-K.MD.1, MAFS-K.MD.2 | | | |

Introduction to Addition - Level Kindergarten

| introduction to riduition. Dever in | ider gar ten | |
|-------------------------------------|---|-------------------------------|
| E1.02.A | MAFS-K.OA.1, MAFS-K.OA.2, MAFS-K.OA.3, MAFS-K.OA.4, MAFS-K.OA.5 | Addition, Objects |
| E1.02.B | MAFS-K.OA.3, MAFS-K.OA.4, MAFS-K.OA.5 | Addition, Numbers |
| E1.02.C | MAFS-K.OA.5 | Addition, Intro to Properties |
| E1.02.D | MAFS-K.OA.5 | Addition, Applications |
| E1.02.E | MAFS-K.OA.1, MAFS-K.OA.2, MAFS-K.OA.3, MAFS-K.OA.4, MAFS-K.OA.5 | Addition, Review |

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title | | |
|------------------------------|--|---|------------------------------|--|--|
| Introduction to Subtr | Introduction to Subtraction - Level Kindergarten | | | | |
| | E1.03.A | MAFS-K.NBT.1, MAFS-K.OA.5 | Subtraction Intro, Objects | | |
| | E1.03.B | MAFS-K.NBT.1, MAFS-K.OA.3, MAFS-K.OA.4, MAFS-K.OA.5 | Subtraction Intro, Numbers | | |
| | E1.03.C | MAFS-K.NBT.1, MAFS-K.OA.1, MAFS-K.OA.2, MAFS-K.OA.3, MAFS-K.OA.4, MAFS-K.OA.5 | Take Away, Objects | | |
| | E1.03.D | MAFS-K.NBT.1, MAFS-K.OA.5 | Take Away, Numbers | | |
| | E1.03.E | MAFS-K.NBT.1, MAFS-K.OA.5 | Vertical Subtraction | | |
| | E1.03.F | MAFS-K.NBT.1, MAFS-K.OA.5 | Subtraction, Review of Intro | | |

Greater Than, Less Than - Level Kindergarten

| E1.04.A | MAFS-K.CC.6, MAFS-K.CC.7, MAFS-K.MD.2 | Greater Than, Less Than, Intro |
|---------|--|---|
| E1.04.B | MAFS-K.CC.7, MAFS-K.MD.2 | Greater Than, Less Than |
| E1.04.C | MAFS-K.CC.7, MAFS-K.MD.2 | Which is Greater? |
| E1.04.D | MAFS-K.MD.2 | Greater Than & Less Than, Applications |

Introduction to Place Value - Level Kindergarten

| | E2.06.A | MAFS-K.NBT.1 | Place Value, Ones and Tens |
|--------------------------------|--------------|--------------|----------------------------|
| | | | |
| | | | |
| | | | |
| <u>Introduction to Patterr</u> | ıs - Level 1 | | |

| E1.01.C | MAFS-1.NBT.1 | Counting Objects |
|---------|--------------|--------------------------|
| E1.01.D | MAFS-1.NBT.1 | Which Number Comes Next? |
| E1.08.A | MAFS-1.NBT.1 | Counting to 100 |

Introduction to Addition - Level 1

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|---|----|-----|-----|----|---|----|-----|-------|---|
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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------|-------------------|--|-------------------------------|
| | E1.02.A | MAFS-1.NBT.4, MAFS-1.OA.1, MAFS-1.OA.7 | Addition, Objects |
| | E1.02.B | MAFS-1.OA.2 | Addition, Numbers |
| | E1.02.C | MAFS-1.OA.2, MAFS-1.OA.3 | Addition, Intro to Properties |
| | E1.02.D | MAFS-1.OA.2 | Addition, Applications |
| | E1.02.E | MAFS-1.OA.2 | Addition, Review |

Introduction to Subtraction - Level 1

| E1.03.A | MAFS-1.OA.1 | Subtraction Intro, Objects |
|---------|-------------|------------------------------|
| E1.03.B | MAFS-1.OA.1 | Subtraction Intro, Numbers |
| E1.03.C | MAFS-1.OA.3 | Take Away, Objects |
| E1.03.D | MAFS-1.OA.3 | Take Away, Numbers |
| E1.03.E | MAFS-1.OA.3 | Vertical Subtraction |
| E1.03.F | MAFS-1.OA.3 | Subtraction, Review of Intro |

Greater Than, Less Than - Level 1

| E1.04.A | MAFS-1.MD.1, MAFS-1.NBT.3 | Greater Than, Less Than, Intro |
|---------|---------------------------|---|
| E1.04.B | MAFS-1.MD.1, MAFS-1.NBT.3 | Greater Than, Less Than |
| E1.04.C | MAFS-1.MD.1, MAFS-1.NBT.3 | Which is Greater? |
| E1.04.D | MAFS-1.MD.1, MAFS-1.NBT.3 | Greater Than & Less Than, Applications |

Introduction to Measurement - Level 1

| E5.15 | MAFS-1.MD.1, MAFS-1.MD.2, MAFS-1.MD.4 | Introduction to Measurement |
|---------|---------------------------------------|-----------------------------------|
| E1.06.A | MAFS-1.MD.3 | Parts of a Clock and Telling Time |

Addition and Subtraction - Level 1

| E2.01.A | MAFS-1.OA.1, MAFS-1.OA.3, MAFS-1.OA.4, MAFS-1.OA.5, MAFS-1.OA.6, MAFS-1.OA.7, MAFS-1.OA.8 | Addition, Properties |
|---------|--|----------------------|
|---------|--|----------------------|

| | | | | | | - | | | • | |
|---|----|----|---|----|----|-----|------|----|----|---|
| Δ | lп | gη | m | 10 | nt | · N | ./ (| at | ck | 1 |
| | | | | | | | | | | |

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------|-------------------|--|---|
| | E2.01.B | MAFS-1.OA.1, MAFS-1.OA.3, MAFS-1.OA.4, MAFS-1.OA.5, MAFS-1.OA.6, MAFS-1.OA.7, MAFS-1.OA.8 | Add and Subtract, Problem Solving |
| | E2.01.C | MAFS-1.OA.1, MAFS-1.OA.3, MAFS-1.OA.4, MAFS-1.OA.5, MAFS-1.OA.6, MAFS-1.OA.7, MAFS-1.OA.8 | Addition Sentences, Missing Numbers |
| | E2.01.D | MAFS-1.OA.1, MAFS-1.OA.3, MAFS-1.OA.4, MAFS-1.OA.5, MAFS-1.OA.6, MAFS-1.OA.7, MAFS-1.OA.8 | Subtraction Sentences, Missing Numbers |

Elementary Addition - Level 1

| E2.03.C | MAFS-1.NBT.4, MAFS-1.NBT.5 | |
|---------|---|---------------------------------|
| E2.03.A | MAFS-1.NBT.4, MAFS-1.NBT.5, MAFS-1.OA.1 | Sums to Eighteen |
| E2.03.B | MAFS-1.NBT.4, MAFS-1.NBT.5 | Vertical Addition, Strategies I |

Elementary Subtraction - Level 1

| <u>Elementary Subtraction - Level 1</u> | | |
|---|----------------------------|---|
| E2.05.A | MAFS-1.NBT.6 | Subtraction by Counting Back |
| E2.05.B | MAFS-1.NBT.6 | Subtracting by Counting Back, Practice |
| E2.05.C | MAFS-1.NBT.6 | Add to Check |
| E2.05.D | MAFS-1.NBT.6 | Subtraction, Applications |
| E2.08.A | MAFS-1.NBT.6 | Subtracting by Tens Part 1 |
| E2.08.B | MAFS-1.NBT.5, MAFS-1.NBT.6 | Subtracting by Tens Part 2 |
| | | |

Introduction to Place Value - Level 1

| E2.06.A | MAFS-1.NBT.2 | Place Value, Ones and Tens |
|---------|--------------|----------------------------|
| | | |

Geometry Concepts - Level 1

| E5.06 | MAFS-1.G.1, MAFS-1.G.2, | Identifying shopes and their attributes |
|-------|-------------------------|---|
| E3.00 | MAFS-1.G.3 | Identifying shapes and their attributes |

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Scaffold: Supporting Objective

Unit Objective Code

Florida State Standards

Objective Title

Introduction to Patterns - Level 2

E1.08.A MAFS-2.NBT.2 Counting to 100

Introduction to Addition - Level 2

| E5.04.A | MAFS-2.OA.4 | Addition of Objects Using Arrays |
|---------|-------------|--|
| E5.11 | MAFS-2.OA.3 | Even Numbers as a Sum of Equal Addends |

Greater Than, Less Than - Level 2

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|--------------------------------------|--------------|--------------------------------|
| E1.04.A | MAFS-2.NBT.4 | Greater Than, Less Than, Intro |
| E1.04.B | MAFS-2.NBT.4 | Greater Than, Less Than |
| E1.04.C | MAFS-2.NBT.4 | Which is Greater? |
| E1.04.D | MAFS-2.NBT.4 | Greater Than & Less Than, |
| E1.04.D | | Applications |

Introduction to Money - Level 2

| E1.05.B | MAFS-2.MD.8 | Counting Money |
|---------|-------------|------------------------------|
| E1.05.C | MAFS-2.MD.8 | Counting Money, Applications |
| E1.05.D | MAFS-2.MD.8 | Making Change |
| E1.05.E | MAFS-2.MD.8 | Counting Money, Review |
| E1.05.A | MAFS-2.MD.8 | Money, Intro |

Introduction to Measurement - Level 2

| E5.16 | MAFS-2.MD.2, MAFS-2.MD.3, MAFS-2.MD.4, MAFS-2.MD.5, MAFS-2.MD.6 | Foundations of Measurement |
|---------|--|-----------------------------------|
| E1.06.A | MAFS-2.MD.7 | Parts of a Clock and Telling Time |
| E1.07.A | MAFS-2.MD.1, MAFS-2.MD.2, MAFS-2.MD.3, MAFS-2.MD.4, MAFS-2.MD.5, MAFS-2.MD.6, MAFS-2.MD.9 | Measurement, Inches and Feet |
| E5.19 | MAFS-2.MD.10 | Picture and Bar Graph |

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| Addition and Subtracti | on - Level 2 | | |
| | E2.01.A | MAFS-2.OA.2 | Addition, Properties |
| | E2.01.B | MAFS-2.OA.2 | Add and Subtract, Problem Solving |
| | E2.01.C | MAFS-2.OA.2 | Addition Sentences, Missing Numbers |
| | E2.01.D | MAFS-2.OA.2 | Subtraction Sentences, Missing Numbers |

Elementary Addition - Level 2

| E2.03.C | MAFS-2.NBT.5 | Vertical Addition, Strategies II |
|---------|---------------------------|-----------------------------------|
| E2.07.A | MAFS-2.NBT.6, MAFS-2.OA.1 | 2-Digit Addition, 2-Digit Answers |
| E2.07.B | MAFS-2.NBT.6, MAFS-2.OA.1 | 2-Digit Addition, 3-Digit Answers |
| E2.07.C | MAFS-2.NBT.6, MAFS-2.OA.1 | 3-Digit Addition, 3-Digit Answers |
| E2.03.A | MAFS-2.NBT.5 | Sums to Eighteen |
| E2.03.B | MAFS-2.NBT.5 | Vertical Addition, Strategies I |
| | | |

Introduction to Odd and Even - Level 2

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|------------------------------|---|---------------------------|
| E2.04.A | MAFS-2.OA.3 | Odd and Even |
| E2.04.B | MAFS-2.OA.3 | Patterns with Numbers |
| E2.04.C | MAFS-2.NBT.2, MAFS-2.NBT.3, MAFS-2.OA.3 | Skip Counting by 2s |
| E2.04.E | MAFS-2.OA.3 | Odd and Even, Application |

Elementary Subtraction - Level 2

| E2.05.A | MAFS-2.NBT.5 | Subtraction by Counting Back |
|---------|---|---|
| E2.05.B | MAFS-2.NBT.5 | Subtracting by Counting Back, Practice |
| E2.05.C | MAFS-2.NBT.5 | Add to Check |
| E2.05.D | MAFS-2.NBT.5 | Subtraction, Applications |
| E2.08.A | MAFS-2.NBT.7, MAFS-2.NBT.8, MAFS-2.OA.1 | Subtracting by Tens Part 1 |
| E2.08.B | MAFS-2.NBT.7, MAFS-2.NBT.8, MAFS-2.OA.1 | Subtracting by Tens Part 2 |

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | E2.08.C | MAFS-2.NBT.7, MAFS-2.NBT.8, MAFS-2.OA.1 | Vertical Subtraction, 2-Digit |
| | E2.08.D | MAFS-2.NBT.7, MAFS-2.NBT.8, MAFS-2.OA.1 | Vertical Subtraction, 3-Digit |

Introduction to Place Value - Level 2

| | MAFS-2.NBT.3, MAFS-2.NBT.5, MAFS-2.NBT.7, MAFS-2.NBT.9 | |
|---------|---|-----------------------|
| E2.06.B | MAFS-2.NBT.1, MAFS-2.NBT.9, MAFS-2.OA.1 | Place Value, Hundreds |

Whole Numbers - Level 3

| Whole Mullibers - Level 5 | | |
|---------------------------|-----------------------------|--------------------------------|
| E1.01 | MAFS-3.OA.9 | Elementary Patterns |
| E1.04 | MAFS-3.NF.3d | Greater Than & Less Than |
| | MAEC 2 C 1 MAEC 2 C 2 | |
| | MAFS-3.G.1, MAFS-3.G.2, | |
| | MAFS-3.MD.3, MAFS-3.MD.5a, | |
| | MAFS-3.MD.5b, MAFS-3.MD.6, | |
| E2.04 | MAFS-3.MD.7, MAFS-3.MD.7a, | Odd & Even |
| | MAFS-3.MD.7b, MAFS-3.MD.7c, | |
| | MAFS-3.MD.7d, MAFS-3.MD.8, | |
| | MAFS-3.OA.9 | |
| E2.06 | MAFS-3.NBT.1 | Place Value |
| 1011 | | |
| 1011 | MAFS-3.NBT.1 | Whole Numbers and Place Value |
| 1017 | MAEC 2 NDT 1 | Rounding Whole Numbers Using a |
| 1017 | MAFS-3.NBT.1 | Number Line Diagram |
| 1018 | MAFS-3.OA.8 | Rounding Whole Numbers |
| | | |

Elementary Addition and Subtraction - Level 3

| E1.02 | MAFS-3.NBT.2 | Addition |
|-------|--------------|------------------------|
| E1.03 | MAFS-3.NBT.2 | Subtraction |
| E2.01 | MAFS-3.NBT.2 | Addition & Subtraction |
| E2.03 | MAFS-3.NBT.2 | Sums to 18 |
| E2.05 | MAFS-3.NBT.2 | Subtraction Facts |
| E2.07 | MAFS-3.NBT.2 | 2&3 Digit Addition |
| E2.08 | MAFS-3.NBT.2 | 2&3 Digit Subtraction |

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------------------------|-------------------|--|---|
| Elementary Multiplicat | tion - Level 3 | | |
| | E5.12.A | MAFS-3.MD.7, MAFS-3.MD.7a, MAFS-3.MD.7b, MAFS-3.MD.7c, MAFS-3.MD.7d, MAFS-3.MD.8, MAFS-3.OA.1 | The Concept of Perimeter and Area Models Connected to Addition |
| | E5.12.B | MAFS-3.MD.7, MAFS-3.MD.7a, MAFS-3.MD.7b, MAFS-3.MD.7c, MAFS-3.MD.7d, MAFS-3.MD.8, MAFS-3.OA.1 | Applications of Multiplication Using Area Models |
| | E5.12.C | MAFS-3.MD.7, MAFS-3.MD.7a, MAFS-3.MD.7b, MAFS-3.MD.7c, MAFS-3.MD.7d, MAFS-3.MD.8, MAFS-3.OA.1 | * |
| | E3.01 | MAFS-3.NBT.3, MAFS-3.OA.1, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7 | Understanding Multiplication |
| | E5.25.A | MAFS-3.NBT.3 | Interpreting Products of Whole Numbers Using Multiples of 10 |
| | E5.25.B | MAFS-3.NBT.3 | Multiples of 10 Using Base Ten Strategies |
| | E3.02 | MAFS-3.NBT.3, MAFS-3.OA.1, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7 | 2&5 as Factors |
| | E3.03 | MAFS-3.NBT.3, MAFS-3.OA.1, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7 | 9,1,0 as Factors |
| | E3.04 | MAFS-3.NBT.3, MAFS-3.OA.1, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7 | 3&4 as Factors |
| | E3.05 | MAFS-3.NBT.3, MAFS-3.OA.1, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7 | Multiplication Review |
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| Alignment Match | | | |
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| scaffold: Supporting | Objective | | |
| J nit | Objective Code | Florida State Standards | Objective Title |
| Elementary Division | on - Level 3 | | |
| | E5.21 | MAFS-3.OA.2 | Foundations of Division |
| | E3.07 | MAFS-3.OA.2, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7, MAFS-3.OA.8 | Understanding Division |
| | E3.08 | MAFS-3.OA.2, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7, MAFS-3.OA.8 | Dividing by 2&3 |
| | E3.09 | MAFS-3.OA.2, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7, MAFS-3.OA.8 | Dividing by 4&5 |
| | E3.10 | MAFS-3.OA.2, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7, MAFS-3.OA.8 | Division Review |
| | 1 / 1 N | | |
| Elementary Multip | plication and Divi | sion with Two or More Digits - Lev | <u>ei 3</u> |
| | E4.01 | MAFS-3.NBT.3, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.5, MAFS-3.OA.6, MAFS-3.OA.7, MAFS-3.OA.8 | Multiplying with 2 Digit Factors |
| | E5.13 | MAFS-3.NBT.3, MAFS-3.OA.3, MAFS-3.OA.4, MAFS-3.OA.6, MAFS-3.OA.8 | Relationship Between Multiplication and Division with Unknown-Factors |
| | E5.23 | MAFS-3.OA.5 | Multiplication and Division using Associative and Distributive Properties |
| | E5.24 | MAFS-3.OA.8 | Modeling Multiplication and Division with Unknowns |
| | E4.02 | MAFS-3.OA.8 | Finding 2 Digit Quotients |
| | | | |

MAFS-3.MD.1

E5.18

Modeling Time on a Number Line

Diagram

| Alignment Repo | ort Legend | | |
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| Alignment Matcl | h | | |
| Scaffold: Suppor | rting Objective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| | E1.06 | MAFS-3.MD.1 | Time |
| | E1.07 | MAFS-3.MD.2, MAFS-3.MD.4, MAFS-3.MD.5, MAFS-3.MD.5a | Measurement |
| | E4.03 | MAFS-3.MD.2, MAFS-3.MD.4, MAFS-3.MD.5, MAFS-3.MD.5a | Metric Measurement |
| | | | |
| Whole Numbe | er Addition and Subtra | action - Level 3 | |
| | 1012 | MAFS-3.NBT.2 | Adding Whole Numbers with a Number Line Diagram |
| | 1013 | MAFS-3.NBT.2 | Properties of Addition with Whole Numbers |
| | 1014 | MAFS-3.NBT.2 | Adding Whole Numbers in Columns |
| | 1015 | MAFS-3.NBT.2 | Subtracting Multi-Digit Whole Numbers |
| | 1016 | MAFS-3.MD.7d, MAFS-3.MD.8, MAFS-3.OA.8 | Modeling Addition and Subtraction of Whole Numbers |
| | | | |
| Whole Numbe | er Multiplication and L | Division - Level 3 | |
| | 1021 | MAFS-3.OA.9 | Properties of Multiplication with Whole Numbers |
| | 1022 | MAFS-3.MD.7 | Multiplying Whole Numbers |
| | 1031 | MAFS-3.OA.7 | Properties of Division |
| Fractions Con | cepts - Level 3 | | |
| | | MAFS-3.NF.1, MAFS-3.NF.2, MAFS-3.NF.2a, MAFS-3.NF.2b, | Understanding Unit Fractions Using |

MAFS-3.NF.3, MAFS-3.NF.3a,

MAFS-3.NF.3b, MAFS-3.NF.3c,

MAFS-3.NF.3d

E5.01

Understanding Unit Fractions Using

Area Models

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | E5.03 | MAFS-3.NF.2, MAFS-3.NF.2a, MAFS-3.NF.2b, MAFS-3.NF.3, MAFS-3.NF.3a, MAFS-3.NF.3b, MAFS-3.NF.3c, MAFS-3.NF.3d | Comparing Fractions Using Visual Fraction Models |
| | E4.04 | MAFS-3.NF.1, MAFS-3.NF.2, MAFS-3.NF.2a, MAFS-3.NF.2b, MAFS-3.NF.3, MAFS-3.NF.3a, MAFS-3.NF.3b, MAFS-3.NF.3c, MAFS-3.NF.3d | Understanding Fractions |
| | | | |
| Geometry Concepts - | Level 3 | | |
| | E5.08 | MAFS-3.G.1, MAFS-3.G.2 | Understanding Geometric Shapes and their Attributes |
| | E5.09 | MAFS-3.MD.5, MAFS-3.MD.5a, MAFS-3.MD.5b, MAFS-3.MD.6, MAFS-3.MD.7, MAFS-3.MD.7a, MAFS-3.MD.7b, MAFS-3.MD.7c, MAFS-3.MD.7d, MAFS-3.MD.8 | • |
| | | | |
| Statistics - Level 3 | | | |
| | E5.20 | MAFS-3.MD.3 | Introduction to Bar Graphs |
| | E5.26 | MAFS-3.MD.4 | Introduction to Line Plots Using Measurements |
| | | | |
| Whole Numbers - Lev | <u>vel 4</u> | | |
| | 1039 | MAFS-4.NBT.2 | Comparing Whole Numbers Using Symbols |
| | E2.06 | MAFS-4.NBT.1, MAFS-4.NBT.2 | Place Value |
| | 1011 | MAFS-4.NBT.1, MAFS-4.NBT.2 | Whole Numbers and Place Value |
| | 1017 | MAFS-4.NBT.3 | Rounding Whole Numbers Using a Number Line Diagram |

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | 1018 | MAFS-4.NBT.3 | Rounding Whole Numbers |
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$\underline{\textbf{Elementary Addition and Subtraction - Level 4}}$

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|---------------------------------|--------------|------------------------|
| E1.02 | MAFS-4.NBT.4 | Addition |
| E1.03 | MAFS-4.NBT.4 | Subtraction |
| E2.01 | MAFS-4.NBT.4 | Addition & Subtraction |
| E2.03 | MAFS-4.NBT.4 | Sums to 18 |
| E2.05 | MAFS-4.NBT.4 | Subtraction Facts |
| E2.07 | MAFS-4.NBT.4 | 2&3 Digit Addition |
| E2.08 | MAFS-4.NBT.4 | 2&3 Digit Subtraction |
| | | |

Elementary Multiplication - Level 4

| 1035 | MAFS-4.NBT.5, MAFS-4.OA.1 | Foundation of Multiplication Using Place Value |
|-------|--|--|
| E3.01 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.3 | Understanding Multiplication |
| E3.02 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.3 | 2&5 as Factors |
| E3.03 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.3 | 9,1,0 as Factors |
| E3.04 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.3 | 3&4 as Factors |
| E3.05 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.3 | Multiplication Review |

Elementary Division - Level 4

| 1036 | MAFS-4.NBT.6 | Foundations of Division Using Area Models |
|-------|--|--|
| E3.07 | MAFS-4.NBT.5, MAFS-4.OA.2, MAFS-4.OA.3 | Understanding Division |
| E3.08 | MAFS-4.NBT.5, MAFS-4.OA.2, MAFS-4.OA.3 | Dividing by 2&3 |
| E3.09 | MAFS-4.NBT.5, MAFS-4.OA.2, MAFS-4.OA.3 | Dividing by 4&5 |
| E3.10 | MAFS-4.NBT.5, MAFS-4.OA.2, MAFS-4.OA.3 | Division Review |

| Alignment Match |
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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------------------------|---------------------|--|---|
| Elementary Multip | | sion with Two or More Digits - Lev | <u>el 4</u> |
| | E4.01 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.2, MAFS-4.OA.3 | Multiplying with 2 Digit Factors |
| | E4.02 | MAFS-4.NBT.5, MAFS-4.OA.2, MAFS-4.OA.3 | Finding 2 Digit Quotients |
| | 1037 | MAFS-4.OA.2, MAFS-4.OA.3 | Modeling Multiplication and Division with Unknown Factors |
| | 1038 | MAFS-4.NBT.6, MAFS-4.OA.2 | Multiplication and Division with Unknown Factors |
| Elemente w. Meegu | recoment Level 4 | | |
| Elementary Measu | E1.05 | MAFS-4.MD.1 | Money |
| | E1.07 | MAFS-4.MD.1, MAFS-4.MD.2 | Measurement |
| | E4.03 | MAFS-4.MD.1, MAFS-4.MD.2 | Metric Measurement |
| Whole Number Ad | Idition and Subtra | action - Level 4 MAFS-4.NBT.4 | Associative and Commutative |
| | 1009 | WAF5-4.ND1.4 | Properties |
| | 1012 | MAFS-4.NBT.4 | Adding Whole Numbers with a Number Line Diagram |
| | 1013 | MAFS-4.NBT.4 | Properties of Addition with Whole Numbers |
| | 1014 | MAFS-4.NBT.4 | Adding Whole Numbers in Columns |
| | 1015 | MAFS-4.NBT.4 | Subtracting Multi-Digit Whole Numbers |
| | 1016 | MAFS-4.MD.2, MAFS-4.MD.3, MAFS-4.NBT.4 | Modeling Addition and Subtraction of Whole Numbers |
| Whole Number M | ultinlication and l | Division - Level 4 | |
| ,, avav i imiliava IVI | 1007 | MAFS-4.NBT.5 | Distributive Property, Using Place |
| | | | Value Strategies |
| | 1044 | MAFS-4.OA.3 | Mental Math Proportion of Multiplication with |
| | 1021 | MAFS-4.NBT.5 | Properties of Multiplication with Whole Numbers |

| Alignment Report | t Legend | | |
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| Alignment Match | | | |
| Scaffold: Supporting | ng Objective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| | 1022 | MAFS-4.NBT.5, MAFS-4.OA.1, MAFS-4.OA.2, MAFS-4.OA.3 | Multiplying Whole Numbers |
| | 1023 | MAFS-4.MD.2, MAFS-4.MD.3 | Modeling Multiplication of Whole Numbers |
| | 1040 | MAFS-4.OA.3 | Guess and Check |
| | 1032 | MAFS-4.NBT.6, MAFS-4.OA.3 | Division with Remainders |
| | | | |
| Whole Number | Factors and Multipl | es - Level 4 | |
| | 1054 | MAFS-4.OA.4 | Factor Pairs |
| | | | |
| Fractions Conce | epts - Level 4 | | |
| | E4.04 | MAFS-4.MD.4, MAFS-4.NF.1, MAFS-4.NF.2, MAFS-4.NF.3c, MAFS-4.NF.3d, MAFS-4.NF.4a, MAFS-4.NF.4b, MAFS-4.NF.4c, MAFS-4.NF.5 | Understanding Fractions |
| | 2112 | MAFS-4.NF.1, MAFS-4.NF.2, MAFS-4.NF.3, MAFS-4.NF.3a, MAFS-4.NF.4a | Understanding Unit Fractions on a Number Line Diagram |
| | 2114 | MAFS-4.NF.2, MAFS-4.NF.3 | Comparing Fractions Using Area Models |
| | 2220 | MAFS-4.MD.4, MAFS-4.NF.2 | Line Plots to Display Fractional Data |
| | | | |
| Fractions Opera | ations - Level 4 | | |
| · | 2221 | MAFS-4.NF.4, MAFS-4.NF.4a, MAFS-4.NF.4b, MAFS-4.NF.4c | Multiplying a Fraction by a Whole Number Using Area Models |
| | 2119 | MAFS-4.NF.3a, MAFS-4.NF.3b, MAFS-4.NF.3c, MAFS-4.NF.3d | Modeling Addition and Subtraction of Fractions |
| | E4.05 | MAFS-4.MD.4, MAFS-4.NF.3, MAFS-4.NF.3a, MAFS-4.NF.3b, MAFS-4.NF.3c, MAFS-4.NF.3d, | Adding & Subtracting Fractions |

MAFS-4.NF.5

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| Scarroid, Supportin | ing Objective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| Decimals Opera | tions - Level 4 | | |
| | E4.06 | MAFS-4.NF.6, MAFS-4.NF.7 | Understanding Decimals |
| | 3100 | MAFS-4.NF.7 | Comparing Decimals to Hundredths |
| | | | |
| Decimals Conve | ersions and Applicati | ions - Level 4 | |
| | 4167 | MAFS-4.MD.2 | Money, Real World Application |
| | | | |
| Metric and Cust | tomary Systems of N | <u> 1easurement - Level 4</u> | |
| | 4171 | MAFS-4.MD.1 | Length, Capacity and Weight |
| | | | |
| Geometry Conc | epts - Level 4 | | |
| | 5230 | MAFS-4.G.3 | Introduction to Symmetry |
| | 5315 | MAFS-4.G.2 | Shapes and Their Attributes |
| | 5201 | MAFS-4.G.1, MAFS-4.G.2, MAFS-4.MD.5, MAFS-4.MD.5a | Geometry Terms: Angles and Lines |
| | 5202 | MAFS-4.G.2, MAFS-4.MD.5a, MAFS-4.MD.5b, MAFS-4.MD.6, | Angles and Triangles |
| | | MAFS-4.MD.7 | |
| | 5232 | MAFS-4.G.3 | Symmetry |
| | | | |
| Statistics - Level | 14 | | |
| | 6261 | MAFS-4.MD.4 | Reading and Interpreting Pictographs, Bar Graphs and Line Graphs |
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Relations and Functions - Level 4

MAFS-4.OA.5 Patterns and Numerical Sequences

Whole Numbers - Level 5

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | 1010 | MAFS-5.NBT.1 | Place Value When Multiplying and Dividing |
| | 1011 | MAFS-5.NBT.1, MAFS- 5.NBT.3a, MAFS-5.NBT.4, MAFS-5.NBT.7, MAFS-5.OA.1 | Whole Numbers and Place Value |
| | 1017 | MAFS-5.NBT.4, MAFS-5.NF.3 | Rounding Whole Numbers Using a Number Line Diagram |
| | 1018 | MAFS-5.NBT.4, MAFS-5.NF.3 | Rounding Whole Numbers |

| Whole Number Addition and Subtraction - Level 5 | | | | | |
|---|--------------------------|--|--|--|--|
| 1012 | MAFS-5.OA.1 | Adding Whole Numbers with a Number Line Diagram | | | |
| 1013 | MAFS-5.OA.1 | Properties of Addition with Whole Numbers | | | |
| 1014 | MAFS-5.OA.1 | Adding Whole Numbers in Columns | | | |
| 1015 | MAFS-5.OA.1 | Subtracting Multi-Digit Whole Numbers | | | |
| 1016 | MAFS-5.OA.1, MAFS-5.OA.2 | Modeling Addition and Subtraction of Whole Numbers | | | |

| Whole Number Multiplication and Division - Level 5 | | | | | |
|--|--|---|--|--|--|
| 2115 | MAFS-5.NF.5a | Interpreting Multiplication as Scaling | | | |
| 1021 | MAFS-5.OA.1 | Properties of Multiplication with Whole Numbers | | | |
| 1022 | MAFS-5.NBT.5, MAFS-5.NBT.6, MAFS-5.NF.4, MAFS-5.OA.1 | Multiplying Whole Numbers | | | |
| 1023 | MAFS-5.NF.7c, MAFS-5.OA.1, MAFS-5.OA.2 | Modeling Multiplication of Whole Numbers | | | |
| 1031 | MAFS-5.NBT.5, MAFS-5.NBT.6, MAFS-5.NF.4, MAFS-5.NF.7b, MAFS-5.OA.1 | Properties of Division | | | |
| 1061 | MAFS-5.NBT.6, MAFS-5.OA.1 | Order of Operations: Parentheses, Brackets, and Braces | | | |

| Alignment Repor | rt Legend | | |
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| Alignment Match | | | |
| Scaffold: Support | ing Objective | | |
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| Unit | Objective Code | Florida State Standards | Objective Title |
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| | 4000 | MAFS-5.NBT.5, MAFS-5.NBT.6, | D |
| | 1032 | MAFS-5.NF.4, MAFS-5.NF.7b, MAFS-5.OA.1 | Division with Remainders |
| | | MAI'S-3.OA.1 | |
| | | MAFS-5.NBT.6, MAFS-5.NF.5a, | Modeling Division of Whole |
| | 1033 | MAFS-5.NF.7c, MAFS-5.OA.1 | Numbers |
| | | | |
| | | | |
| Whole Number | Exponents and Orde | er of Operations - Level 5 | |
| | 1026 | MAFS-5.NBT.2 | Exponents and Place Value |
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| Fractions Conc | epts - Level 5 | | |
| | 2220 | MAFS-5.MD.2 | Line Plots to Display Fractional Data |
| | | | 2 1 1010 to 2 10p.m. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| | 2061 | MAFS-5.NF.1, MAFS-5.NF.5b, | Introduction to Fractions |
| | 2062 | MAFS-5.NF.7 MAFS-5.NF.1 | Finding Equivalent Fractions |
| | 2063 | MAFS-5.NF.1, MAFS-5.NF.4b | Comparing Fractions |
| | 2000 | | Visualizing Fractions & Mixed |
| | 2064 | MAFS-5.NF.1 | Numbers |
| | 2065 | MAFS-5.NF.1 | Mixed Numbers and Their |
| | 2065 | MAFS-5.NF.1 | Equivalent Fractions |
| | | MAFS-5.NF.3, MAFS-5.NF.7, | Interpret a Fraction as Division of the |
| | 2116.2 | MAFS-5.NF.7a, MAFS-5.NF.7b, | Numerator by the Denominator |
| | | MAFS-5.NF.7c | |
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| Erections Ones | estions I aval 5 | | |
| rractions Oper | eations - Level 5 | MAFS-5.NF.3, MAFS-5.NF.7, | |
| | 2116.1 | MAFS-5.NF.7a, MAFS-5.NF.7b, | Modeling Whole Numbers Divided |
| | 211011 | MAFS-5.NF.7c | by Unit Fractions |
| | | MAFS-5.NF.1, MAFS-5.NF.4, | |
| | 2071 | MAFS-5.NF.5b | Multiplying Fractions by Fractions |
| | 2117 | MAFS-5.NF.4a, MAFS-5.NF.4b, | Multiplication, Using Area Models |
| | 2117 | MAFS-5.NF.6 | with Fractional Sides |
| | 2221 | MAFS-5.NF.4, MAFS-5.NF.4a, | Multiplying a Fraction by a Whole |
| | | MAFS-5.NF.5b | Number Using Area Models |
| | 2081 | MAFS-5.NF.1 | Adding and Subtracting Fractions |
| | | | with Like Denominators |

with Like Denominators

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| Alignment Match | | | |
| Scaffold: Supporting Ob | ojective | | |
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| Unit | Objective Code | Florida State Standards | Objective Title |
| | 2082 | MAFS-5.NF.1 | Adding and Subtracting Fractions with Unlike Denominators |
| | | | |
| | | | |
| Fractions Applicatio | ns - Level 5 | | |
| | 2083 | MAFS-5.NF.2 | Modeling Addition and Subtraction of Fractions I |
| | 2092 | MAFS-5.MD.2, MAFS-5.NF.1, | Modeling Addition and Subtraction |
| | | MAFS-5.NF.2 | of Fractions II |
| | | | |
| Decimals Operations | s - Level 5 | | |
| Definition Operations | 3102 | MAFS-5.NBT.7 | Adding and Subtracting Decimals |
| | 3103 | MAFS-5.NBT.2, MAFS-5.NBT.7 | Multiplying Decimals |
| | 3104 | MAFS-5.NBT.7 | Rounding Decimals |
| | 3111 | MAFS-5.NBT.7 | Dividing Decimals by Decimals |
| | | | |
| Decimals Conversion | ns and Applicati | ions - Level 5 | |
| | | | Modeling Addition, Subtraction, |
| | 3105 | MAFS-5.NBT.7 | Multiplication, and Division of Decimals |
| | 3112 | MAFS-5.NBT.7 | Modeling Division of Decimals |
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| Metric and Customa | rv Systems of N | <u> 1 </u> | |
| victic and Customa | 4170 | MAFS-5.MD.2 | Measurement Line Plots |
| | 4171 | MAFS-5.MD.1 | Length, Capacity and Weight |
| | 4172 | MAFS-5.MD.1 | Converting Measurement Units |
| | | | |
| | 4184 | MAFS-5.MD.1 | Converting Metric Measurements |
| | 4173 | MAFS-5.MD.1 | Adding and Subtracting Customary Units |
| | 4181 | MAFS-5.MD.1 | Converting Unit Fractions with Standard Measurements |
| | 4182 | MAFS-5.MD.1 | Converting the Standard Measurements of Length |
| | | | Converting the Standard |
| | 4183 | MAFS-5.MD.1 | Measurements of Capacity and Mass |
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| Alignment Match | | | |
| Scaffold: Supporting O | bjective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| Geometry Concepts | <u> - Level 5</u> | | |
| | 5316.1 | MAFS-5.G.3, MAFS-5.G.4 | Identifying Geometric Shapes and their Attributes I |
| | 5201 | MAFS-5.NF.4b | Geometry Terms: Angles and Lines |
| | 5202 | MAFS-5.NF.4b | Angles and Triangles |
| | 5221 | MAFS-5.G.3, MAFS-5.G.4, MAFS-5.NF.4b | Parallelograms |
| | 5222 | MAFS-5.G.3 | Trapezoids |
| | | | |
| Statistics - Level 5 | | | |
| | 6261 | MAFS-5.MD.2 | Reading and Interpreting Pictographs, Bar Graphs and Line Graphs |
| | | | |
| Graphing - Level 5 | | | |
| | 6288 | MAFS-5.G.1, MAFS-5.G.2 | Plotting Ratio Tables on the Coordinate Plane |
| | 8341 | MAFS-5.G.1, MAFS-5.G.2 | Graphing on the Coordinate Plane |
| Relations and Func | tions - Level 5 | | |
| | 6280 | MAFS-5.OA.3 | Patterns and Relationships |
| | 6284 | MAFS-5.OA.3 | Patterns and Numerical Sequences |
| | | | |
| Whole Number Mu | ltiplication and I | <u> Division - Level 6</u> | |
| | 1061 | MAFS-6.EE.2b, MAFS-6.EE.3 | Order of Operations: Parentheses, Brackets, and Braces |
| | | | |
| Whole Number Exp | onents and Ord | er of Operations - Level 6 | |
| | 1026 | MAFS-6.EE.3 | Exponents and Place Value |
| | 1027 | MAFS-6.EE.3 | Multiplying and Dividing Exponents |
| | 1024 | MAFS-6.EE.1 | Introduction to Exponents |
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| Alignment Match | | | |
| Scaffold: Supporti | ng Objective | | |
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| Unit | Objective Code | Florida State Standards | Objective Title |
| | 1034 | MAFS-6.EE.1 | Order of Operations with Division and Exponents |
| | | | |
| | | | |
| Whole Number | Factors and Multipl | les - Level 6 | |
| | 1051 | MAFS-6.NS.4 | Whole Numbers as Products of Prime Numbers |
| | 1052 | MAFS-6.NS.4 | Greatest Common Factor |
| | | MAFS-6.NS.4 | |
| | 1053 | MAFS-0.NS.4 | Least Common Multiple |
| | | | |
| Fractions Conce | epts - Level 6 | | |
| | 2061 | MAFS-6.NS.1 | Introduction to Fractions |
| | 2062 | MAFS-6.NS.1 | Finding Equivalent Fractions |
| | | MAFS-6.NS.1, MAFS-6.NS.6, | |
| | 2063 | MAFS-6.NS.7b | Comparing Fractions |
| | | NA TO CAYO I | Visualizing Fractions & Mixed |
| | 2064 | MAFS-6.NS.1 | Numbers |
| | | MARG CNG 1 | Mixed Numbers and Their |
| | 2065 | MAFS-6.NS.1 | Equivalent Fractions |
| | | | |
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| Fractions Opera | ations - Level 6 | | |
| | 2071 | MAFS-6.NS.1 | Multiplying Fractions by Fractions |
| | 2118 | MAFS-6.NS.1 | Visualizing Quotients of Fractions |
| | 2072 | MAFS-6.NS.1 | Dividing Fractions by Fractions |
| | 2073 | MAFS-6.NS.1 | Multiplying and Dividing Mixed |
| | | 1,11,11,2, 0,1,1,0,1 | Numbers |
| | | | |
| Fractions Appli | cations - Level 6 | | |
| Fractions Appli | Cations - Level o | | Modeling Multiplication and |
| | 2074 | MAFS-6.NS.1 | Division of Fractions |
| | | | |
| | 2075 | MAFS-6.NS.1 | Modeling Multiplication of Fractions in Story Context |
| | | | • |
| | 2076 | MAFS-6.NS.1 | Modeling Division of Fractions in |
| | | | Story Context |
| | 2001 | MAES 6 NS 1 | Modeling Perimeter and Area Using |
| | 2091 | MAFS-6.NS.1 | Whole Numbers and Fractions |
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| Alignment Match | | | |
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| Scaffold: Supporting Obje | ective | | |
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| Unit | Objective Code | Florida State Standards | Objective Title |
| | 2093 | MAFS-6.NS.1 | Modeling Addition, Subtraction, Multiplication, and Division of Fraction |
| | | | |
| Decimals Operations - | - Level 6 3102 | MAFS-6.NS.3 | Adding and Subtracting Decimals |
| | 3102 | MAFS-6.NS.3 | Adding and Subtracting Decimals Multiplying Decimals |
| | 3111 | MAFS-6.NS.3 | Dividing Decimals by Decimals |
| Decimals Conversions | and Applicati | ons - Level 6 | |
| | 3114 | MAFS-6.NS.7b | Comparing Decimals and Fractions |
| | 3105 | MAFS-6.NS.3 | Modeling Addition, Subtraction, Multiplication, and Division of Decimals |
| | 3112 | MAFS-6.NS.3 | Modeling Division of Decimals |
| Ratio and Proportion | - Lovel 6 | | |
| Katio and Troportion | - Level 0 | MAFS-6.RP.1, MAFS-6.RP.2, | |
| | 3121 | MAFS-6.RP.3, MAFS-6.RP.3d | Ratios Using Fraction Notation |
| | 3122 | MAFS-6.RP.2, MAFS-6.RP.3, MAFS-6.RP.3a, MAFS-6.RP.3b, MAFS-6.RP.3d | Rates and Units Using Fraction Notation |
| | | | |
| Percents - Level 6 | | | |
| | 4141 | MAFS-6.RP.3c | Converting Fractions into Percents |
| Metric and Customar | y Systems of M | leasurement - Level 6 | |
| | 4171 | MAFS-6.RP.3a, MAFS-6.RP.3d | Length, Capacity and Weight |
| | 4172 | MAFS-6.NS.1, MAFS-6.RP.3d | Converting Measurement Units |
| | 4173 | MAFS-6.RP.3d | Adding and Subtracting Customary Units |
| | 4181 | MAFS-6.NS.1, MAFS-6.RP.3a, MAFS-6.RP.3d | Converting Unit Fractions with Standard Measurements |

| Alignment Repo | rt Legend | | |
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| Alignment Match | ı | | |
| Scaffold: Support | ting Objective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| | 4182 | MAFS-6.RP.3a, MAFS-6.RP.3d | Converting the Standard Measurements of Length |
| | 4183 | MAFS-6.RP.3a, MAFS-6.RP.3d | Converting the Standard Measurements of Capacity and Mass |
| | 4191 | MAFS-6.RP.3d | Converting Units of Capacity |
| | 4192 | MAFS-6.RP.3d | Converting Units of Length |
| | 4193 | MAFS-6.RP.3d | Converting Units of Mass |
| | | | |
| Geometry Con | cepts - Level 6 | | |
| | 5326 | MAFS-6.G.3 | Polygons in the Coordinate Plane |
| | 5317 5327 5321 | MAFS-6.G.1 MAFS-6.G.4 MAFS-6.G.2 | Finding Area of Composed and Decomposed Shapes Nets and Surface Area in Real World Situations Determining Volume Using Unit Cubes |
| | | | Cubes |
| Statistics - Lev | <u>el 6</u> | | |
| | 6286 | MAFS-6.SP.1, MAFS-6.SP.3, MAFS-6.SP.5a, MAFS-6.SP.5b, MAFS-6.SP.5d | Introduction to Reasoning in Statistics |
| | 6261 | MAFS-6.SP.1, MAFS-6.SP.2, MAFS-6.SP.3, MAFS-6.SP.4, MAFS-6.SP.5a, MAFS-6.SP.5b | Reading and Interpreting Pictographs, Bar Graphs and Line Graphs |
| | 6263 | MAFS-6.SP.4, MAFS-6.SP.5a, MAFS-6.SP.5b | Reading and Interpreting Histograms |
| | 6271 | MAFS-6.SP.5c, MAFS-6.SP.5d | Mean, Median, Mode and Range |

Integers and Real Numbers Concepts - Level 6

6272

MAFS-6.SP.4

Stem-and-Leaf Plots and Box-and-

Whisker Plots

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| Alignment Match | | | |
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| Scaffold: Supporting (| Objective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| | 7290 | MAFS-6.NS.5, MAFS-6.NS.6, MAFS-6.NS.6a, MAFS-6.NS.6b, MAFS-6.NS.7, MAFS-6.NS.7a, MAFS-6.NS.7b, MAFS-6.NS.7c, MAFS-6.NS.7d | Comparing Numbers in the Real World on a Number Line |
| Alashus Dushlam C | almina Laval (| | |
| Algebra Problem S | 7332 | MAFS-6.EE.7 | Translate and Write Linear Equations in One Variable |
| | 7333 | MAFS-6.EE.2a, MAFS-6.EE.6, MAFS-6.EE.7 | Writing and Solving Linear Equations |
| | | | • |
| Graphing - Level 6 | | | |
| | 6289.1 | MAFS-6.NS.6b, MAFS-6.NS.6c, MAFS-6.RP.3, MAFS-6.RP.3a | Introduction to Plotting on the Coordinate Plane |
| | 6289.2 | MAFS-6.NS.6b, MAFS-6.NS.6c, MAFS-6.RP.3, MAFS-6.RP.3a, MAFS-6.RP.3b | Creating Tables of Ratios and Plotting on the Coordinate Plane |
| | 8341 | MAFS-6.NS.6, MAFS-6.NS.6b, MAFS-6.NS.6c, MAFS-6.NS.8, MAFS-6.RP.3a | Graphing on the Coordinate Plane |
| | | | |
| Inequalities - Level | 6 | | |
| | 8370 | MAFS-6.EE.8 | Inequalities in the Real World |
| Whole Number Ad | dition and Subtra | action - Level 7 | |
| | 1006 | MAFS-7.NS.1, MAFS-7.NS.1a | Addition and Subtraction on a Horizontal Number Line Diagram |
| Whole Number Mu | ultiplication and I | Division Loyal 7 | |
| WHOLE NUMBER MU | 1008 | MAFS-7.NS.2, MAFS-7.NS.2a | Multiplication and Division of Rational Numbers |
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Scaffold: Supporting Objective

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| | Objective | | |
| Unit | Code | Florida State Standards | Objective Title |
| Fractions Operation | | | |
| | 2071 | MAFS-7.NS.2 | Multiplying Fractions by Fractions |
| | 2072 | MAFS-7.NS.2 | Dividing Fractions by Fractions |
| | 2073 | MAFS-7.NS.2 | Multiplying and Dividing Mixed Numbers |
| | 2081 | MAFS-7.NS.1 | Adding and Subtracting Fractions with Like Denominators |
| | 2082 | MAFS-7.NS.1 | Adding and Subtracting Fractions with Unlike Denominators |
| | | | |
| Fractions Application | ons - Level 7 | | |
| | 2074 | MAFS-7.NS.2 | Modeling Multiplication and Division of Fractions |
| | 1045 | MAFS-7.EE.3, MAFS-7.RP.3 | Real Life Estimation |
| | 2083 | MAFS-7.EE.3, MAFS-7.NS.1 | Modeling Addition and Subtraction of Fractions I |
| | 2091 | MAFS-7.EE.3, MAFS-7.NS.1, MAFS-7.NS.2 | Modeling Perimeter and Area Using Whole Numbers and Fractions |
| | 2092 | MAFS-7.EE.3, MAFS-7.NS.1 | Modeling Addition and Subtraction of Fractions II |
| | 2093 | MAFS-7.EE.3, MAFS-7.NS.1, MAFS-7.NS.2 | Modeling Addition, Subtraction, Multiplication, and Division of Fraction |
| | | | |
| Decimals Operation | ns - Level 7 | | |
| | 3101 | MAFS-7.NS.2d | Converting Decimals to Fractions |
| | 3103 | MAFS-7.NS.2d | Multiplying Decimals |
| | 3104 | MAFS-7.NS.2d | Rounding Decimals |
| | 3111 | MAFS-7.NS.2d | Dividing Decimals by Decimals |
| | | | |
| Decimals Conversion | ons and Applicat | ions - Level 7 | |
| | 3113 | MAFS-7.NS.2d | Converting Fractions to Decimals and Decimals to Fractions |
| | 3114 | MAFS-7.NS.2d | Comparing Decimals and Fractions |
| | 3112 | MAFS-7.EE.3, MAFS-7.NS.2d | Modeling Division of Decimals |
| | 5001 | MAFS-7.NS.3 | Real World Situations |
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| Alignment Match | | | |
| Scaffold: Supporting Ob | ojective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| Ratio and Proportion | n - Level 7 | | |
| | 3121 | MAFS-7.RP.2c | Ratios Using Fraction Notation |
| | 3122 | MAFS-7.RP.1 | Rates and Units Using Fraction Notation |
| | 3123 | MAFS-7.RP.2, MAFS-7.RP.2a, MAFS-7.RP.2b, MAFS-7.RP.2c | Proportional Relationships |
| | 3124 | MAFS-7.RP.3 | Finding an Unknown in a Proportional Relationship |
| | 3131 | MAFS-7.RP.3 | Modeling Proportional Relationships I |
| | | | |
| Percents - Level 7 | | | |
| | 4141 | MAFS-7.RP.3 | Converting Fractions into Percents |
| | 4142 | MAFS-7.RP.3 | Decimal and Percent Conversions |
| | 4143 | MAFS-7.RP.3 | Converting Percents to Equivalent Fractions and Mixed Numbers |
| | 4144 | MAFS-7.RP.3 | Converting Fractions and Mixed Numbers to Percents |
| | 4161 | MAFS-7.RP.3 | Understanding the Relationship Between Percents to Fractions |
| | 4162 | MAFS-7.RP.3 | Calculating Percents of a Whole Number |
| | 4163 | MAFS-7.RP.3 | Calculating Percentages of a Number in Multiple Ways |
| | | | |
| Percent Applications | s - Level 7 | | |
| | 4145 | MAFS-7.RP.3 | Solving Percent Equations |
| | 4151 | MAFS-7.EE.3, MAFS-7.RP.3 | Modeling Percent using Equations |
| | 4152 | MAFS-7.RP.3 | Modeling Percent of Increase and Decrease |
| | 4164 | MAFS-7.RP.3 | Modeling Common Percents Using Estimation |
| | 4165 | MAFS-7.EE.3, MAFS-7.RP.3 | Modeling Percent Discounts |
| | 4166 | MAFS-7.EE.3, MAFS-7.RP.3 | Modeling Percent |
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| Alignment Match | | | |
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| Scaffold: Supporting | g Objective | | |
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| Unit | Objective | Florida State Standards | Objective Title |
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| Geometry Concep | ots - Level 7 | | |
| | 5240 | MAFS-7.G.1 | Scale Drawings of Geometric Figures |
| | | | |
| | 5250 | MAFS-7.G.3 | 2-D figures that Result from Slicing 3- |
| | | | D Figures |
| | 5211 | MAFS-7.G.5 | Complementary and Supplementary |
| | 0211 | WH 5 7.6.3 | Angles |
| | 5221 | MAFS-7.G.3, MAFS-7.G.6 | Parallelograms |
| | 5222 | MAFS-7.G.3, MAFS-7.G.6 | Trapezoids |
| | 5223 | MAFS-7.G.6 | Solids |
| | | | |
| | | | |
| Geometry Formu | las - Level 7 | | |
| | 5251 | MAFS-7.G.4 | Perimeter and Circumference |
| | 5252 | MAFS-7.G.4, MAFS-7.G.6 | Area |
| | 5253 | MAFS-7.G.6 | Volume |
| | | | |
| | | | |
| Statistics - Level 7 | 7 | | |
| | | MA EG 7 GD 2 | Reading and Interpreting Circle |
| | 6262 | MAFS-7.SP.3 | Graphs/Pie Charts |
| | | 14. Fg . c gp . t | |
| | 6263 | MAFS-6.SP.4 | Reading and Interpreting Histograms |
| | 6271 | MAFS-7.SP.3, MAFS-7.SP.4 | Mean, Median, Mode and Range |
| | | | Stem-and-Leaf Plots and Box-and- |
| | 6272 | MAFS-7.SP.3 | Whisker Plots |
| | 6273 | MAFS-7.SP.2 | Interpreting Scatterplots |
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| Probability - Leve | el 7 | | |
| | v | MAFS-7.SP.5, MAFS-7.SP.6, | |
| | | MAFS-7.SP.7, MAFS-7.SP.7a, | |
| | 6281 | MAFS-7.SP.7b, MAFS-7.SP.8, | Tree Diagrams |
| | 0201 | MAFS-7.SP.8a, MAFS-7.SP.8b, | The Diagrams |
| | | MAFS-7.SP.8c | |
| | | | |
| | | MAFS-7.SP.5, MAFS-7.SP.6, | |
| | | | D 1 1 111 2 7 |
| | 6283 | | Probability of an Event |
| | | | |
| | | MAFS-7.SP.8c | |
| | 6283 | MAFS-7.SP.7, MAFS-7.SP.7a, MAFS-7.SP.7b, MAFS-7.SP.8, MAFS-7.SP.8a, MAFS-7.SP.8b, MAFS-7.SP.8c | Probability of an Event |
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| Alignment Repor | t Legend | | |
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| Alignment Match | | | |
| Scaffold: Supporti | ng Objective | | |
| Unit | Objective Code | Florida State Standards | Objective Title |
| Integers and Re | eal Numbers Concept | s - Level 7 | |
| | A01_04_01 | MAFS-7.NS.1 | Comparing Real Numbers |
| | A01_04_02 | MAFS-7.NS.1 | Compare And Order Real Numbers |
| | A02_01_01 | MAFS-7.NS.1b, MAFS-7.NS.2b, MAFS-7.NS.2c | Real Numbers On A Number Line |
| | A02_02_01 | MAFS-7.NS.1a, MAFS-7.NS.1b, MAFS-7.NS.1c | Absolute Value |
| | | | |
| T. | 111 1 0 4 | | |
| Integers and Re | eal Numbers Operation | | |
| | A02_02_02 | MAFS-7.EE.3, MAFS-7.NS.1b, MAFS-7.NS.3 | Adding Real Numbers |
| | A02_03_01 | MAFS-7.NS.1c | Opposite Of A Real Number |
| | A02_03_02 | MAFS-7.NS.1c | Subtracting Real Numbers |
| | ***** | | Subtracting Real Pullioets |
| | | MAFS-7.EE.3, MAFS-7.NS.2, | |
| | A02_04_01 | MAFS-7.NS.2a, MAFS-7.NS.2b, | Multiplying Real Numbers |
| | | MAFS-7.NS.2c, MAFS-7.NS.3 | |
| | | MARCZER 2 MARCZNO 2 | |
| | A02_05_01 | MAFS-7.EE.3, MAFS-7.NS.2, MAFS-7.NS.2a, MAFS-7.NS.2b, | Dividing Real Numbers |
| | A02_03_01 | MAFS-7.NS.2c, MAFS-7.NS.3 | Dividing Real Numbers |
| | | | |
| | | MAFS-7.EE.3, MAFS-7.NS.2, | Order of Operations with Signed |
| | 7301 | MAFS-7.NS.2b, MAFS-7.NS.2c, | Numbers |
| | | MAFS-7.NS.3 | |
| | | MAFS-7.EE.3, MAFS-7.NS.2, | Order of Operations with Signed |
| | 7302 | MAFS-7.NS.2b, MAFS-7.NS.2c, | Numbers and Exponents |
| | | MAFS 7 FE 2 MAFS 7 NS 2 | |
| | 7303 | MAFS-7.EE.3, MAFS-7.NS.2, MAFS-7.NS.2b, MAFS-7.NS.2c, | Order of Operations with Signed |
| | 7303 | MAFS-7.NS.20, MAFS-7.NS.20, MAFS-7.NS.3 | Numbers and Fractions |
| | | | |
| Variables - Leve | al 7 | | |
| variables - Leve | | | Word Phrases As Algebraic |
| | A01_01_01 | MAFS-7.EE.2, MAFS-7.EE.4a | Expressions |
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| Alignment Report Le | gend | | |
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| Alignment Match | | | |
| Scaffold: Supporting C | Objective | | |
| Unit | Objective | Florida State Standards | Objective Title |
| Algebra Problem Se | Code | Fiorida State Standards | Objective Title |
| Algebra i Toblem Se | olving - Level 7 | MARCARE 2 MARCARE 4 | Translate and Write Linear Equations |
| | 7332 | MAFS-7.EE.2, MAFS-7.EE.4, MAFS-7.EE.4a | Translate and Write Linear Equations in One Variable |
| | 7333 | MAFS-7.EE.4, MAFS-7.EE.4a | Writing and Solving Linear Equations |
| | | | |
| Whole Number Mu | ltiplication and | Division - Level 8 | |
| | H100 | MAFS-8.EE.7b | Simplifying Expressions with the Distributive Property |
| | | | |
| Whole Number Exp | onents and Ord | ler of Operations - Level 8 | |
| | 1024 | MAFS-8.EE.1, MAFS-8.EE.2 | Introduction to Exponents |
| | 1034 | MAFS-8.EE.7b | Order of Operations with Division and Exponents |
| | A01_02_01 | MAFS-8.EE.7b | Order Of Operations |
| | | | |
| Ratio and Proportion | on - Level 8 | | |
| | H500 | MAFS-8.EE.5 | Applications: Proportions |
| | H108 | MAFS-8.EE.5 | Sequences: Use proportions to find missing values |
| | | | |
| Percent Application | ns - Level 8 | | |
| | A05_04_01 | MAFS-8.EE.8c | Problems Involving Percent |
| | | | |
| Geometry Concepts | s - Level 8 | | D'1. T' 1 1d D d |
| | 5203 | MAFS-8.G.6 | Right Triangles and the Pythagorean Theorem |
| | 5204 | MAFS-8.G.6 | Special Types of Triangles |
| | 5211 | MAFS-8.G.1b, MAFS-8.G.5 | Complementary and Supplementary Angles |
| | 5212 | MAFS-8.G.5 | Parallel Lines, Transversals, and Their Angles |
| | H302 | MAFS-8.G.1b, MAFS-8.G.5 | Triangle Sum Theory |
| | 5223 | MAFS-8.G.9 | Solids |
| | 5231 | MAFS-8.G.1, MAFS-8.G.2 | Transformations |
| | 5232 | MAFS-8.G.5 | Symmetry |

| Alignment Match | | | |
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| Scaffold: Supporting Obje | ective | | |
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| Unit | Objective | Florida State Standards | Objective Title |
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| Geometry Formulas - | Level 8 | | |
| | 5241 | MAFS-8.G.6, MAFS-8.G.7 | The Pythagorean Theorem |
| | 5242 | MAFS-8.G.2 | Congruent Figures & Theorems |
| | 5243 | MAFS-8.G.4 | Similar Triangles and Applications |
| | 5253 | MAFS-8.G.9 | Volume |
| | 5254 | MAFS-8.EE.5 | Modeling Effects of Proportional |
| | 3234 | MAFS-6.EE.3 | Relationships |
| | H308 | MAFS-8.G.6, MAFS-8.G.7, | Applications: Pythagorean Theorem |
| | 11300 | MAFS-8.G.8 | |
| | H310 | MAFS-8.G.5, MAFS-8.G.9 | Applications: Circumference |
| | | | |
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| Statistics - Level 8 | 4000 | MAEG OGD 1 | T |
| | 6273 | MAFS-8.SP.1 | Interpreting Scatterplots |
| | H401 | MAFS-8.SP.4 | Reading Circle Graphs |
| | H405 | MAFS-8.SP.4 | Reading a Chart |
| | | | |
| Probability - Level 8 | | | |
| 1 Tobability - Level 6 | 6283 | MAFS-8.SP.4 | Probability of an Event |
| | 0203 | M1 1 5-0.51 .4 | 1 Toolomity of all Event |
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| Integers and Real Nur | nbers Concept | ts - Level 8 | |
| | A01_04_01 | MAFS-8.NS.1 | Comparing Real Numbers |
| | | 141 FG 0 FF 1 141 FG 0 VG 1 | • |
| | A01_04_02 | MAFS-8.EE.1, MAFS-8.NS.1 | Compare And Order Real Numbers |
| | A02_01_01 | MAFS-8.NS.2 | Real Numbers On A Number Line |
| | A02_01_01 | MAFS-6.NS.2 | Real Numbers On A Number Line |
| | A02_02_01 | MAFS-8.NS.2 | Absolute Value |
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| Integers and Real Nur | | | |
| | A02_02_02 | MAFS-8.NS.1 | Adding Real Numbers |
| | A02_03_01 | MAFS-8.NS.2 | Opposite Of A Real Number |
| | A02_04_01 | MAFS-8.NS.1 | Multiplying Real Numbers |
| | A02_05_01 | MAFS-8.EE.3, MAFS-8.NS.1 | Dividing Real Numbers |
| | A02_06_01 | MAFS-8.EE.7b | Properties Of Real Numbers |
| | 7302 | MAFS-8.EE.7b | Order of Operations with Signed |
| | | | Numbers and Exponents |
| | 7302 | MAFS-8.EE./b | Numbers and Exponents |

| Alignment Match |
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| Scaffold: Supporting Objective |

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | 7303 | MAFS-8.NS.1 | Order of Operations with Signed Numbers and Fractions |

Variables - Level 8

| A01 01 01 | MAFS-8.F.4 | Word Phrases As Algebraic |
|-----------|------------|---------------------------|
| A01_01_01 | MACS-0.F.4 | Expressions |

Solving Linear Equations - Level 8

| Solving Linear Equations - Level o | | |
|------------------------------------|--|---|
| A03_02_01 | MAFS-8.EE.7 | Like Terms |
| A03_03_01 | MAFS-8.EE.7b | Simplify Algebraic Expressions |
| A04_01_01 | MAFS-8.EE.7, MAFS-8.EE.7a, MAFS-8.EE.7b | Solution Set |
| A04_02_01 | MAFS-8.EE.7, MAFS-8.EE.7a, MAFS-8.EE.7b | Addition And Subtraction Properties |
| A04_03_01 | MAFS-8.EE.7, MAFS-8.EE.7a, MAFS-8.EE.7b | Multiplication And Division Properties |
| A04_04_01 | MAFS-8.EE.7, MAFS-8.EE.7a, MAFS-8.EE.7b | More Than One Property |
| A04_05_01 | MAFS-8.EE.7, MAFS-8.EE.7a, MAFS-8.EE.7b | Variables On Both Sides Of The Equal Sign |

Algebra Problem Solving - Level 8

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|---------------------------------|--|--|
| A04_07_01 | MAFS-8.EE.7, MAFS-8.EE.7a, MAFS-8.EE.7b | Literal Equations |
| 7332 | MAFS-8.SP.3 | Translate and Write Linear Equations in One Variable |
| 7333 | MAFS-8.SP.3 | Writing and Solving Linear Equations |
| A05_01_01 | MAFS-8.SP.3 | Solve Word Problems |
| A05_02_01 | MAFS-8.SP.3 | Write Equations |
| A05_03_01 | MAFS-8.G.5, MAFS-8.G.9 | Geometric Formulas |
| H503 | MAFS-8.SP.3 | Applications: Distance |

Graphing - Level 8

| 5325 | MAFS-6.G.3 | Shapes in the Coordinate Plane |
|------|-------------|---|
| 8342 | MAFS-8.EE.6 | Distance Between Points on a Coordinate System |

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | 8343 | MAFS-8.EE.6, MAFS-8.F.3, MAFS-8.G.8 | Distance and Midpoint Formula |

Graphing Linear Equations - Level 8

| Graphing Linear Equations - Level 8 | | |
|-------------------------------------|---|---|
| 8351 | MAFS-8.EE.6, MAFS-8.F.2, MAFS-8.F.4 | Graphing Linear Equations in Two Variables |
| 8352 | MAFS-8.EE.6, MAFS-8.F.4, MAFS-8.SP.3 | Intercepts |
| 8353 | MAFS-8.EE.6, MAFS-8.F.2, MAFS-8.F.4 | Graphing Special linear Equations |
| 8361 | MAFS-8.EE.6, MAFS-8.F.2, MAFS-8.F.4, MAFS-8.SP.3 | Interpret the Slope of a Line |
| 8362 | MAFS-8.EE.6, MAFS-8.F.3 | Slope-Intercept Form of a Line |
| 8363 | MAFS-8.EE.5 | Parallel and Perpendicular Lines |
| 8364 | MAFS-8.EE.6 | Point-Slope Form of a Line |
| 8371 | MAFS-8.EE.6 | Writing a Linear Equation from Ordered Pairs |
| H200 | MAFS-8.EE.6, MAFS-8.F.1, MAFS-8.F.2 | Testing Strategy: Match a Graph to a Table of Values |
| H201 | MAFS-8.EE.6 | Testing Strategy: Find the Equation of a Line Given its Graph |
| H202 | MAFS-8.EE.6 | Find the Equation of a Line Given Two Points |

Relations and Functions - Level 8

| 8381 | MAFS-8.F.1 | Relations and Functions of Ordered Pairs |
|------|------------------------|--|
| 8382 | MAFS-8.F.1 | Using the Vertical Line Test |
| 8383 | MAFS-8.F.1, MAFS-8.F.2 | Function Notation |
| 8384 | MAFS-8.F.3 | Graphs of Functions |
| 8385 | MAFS-8.F.2 | Domain & Range of Functions |

Laws of Exponents - Level 8

| A01_05_01 | MAFS-8.EE.1 | Exponential Expressions |
|-----------|-------------|---------------------------------|
| A07_01_01 | MAFS-8.EE.1 | Define An Exponent |
| A07_01_02 | MAFS-8.EE.1 | Product Rule For Exponents |
| A07_01_03 | MAFS-8.EE.1 | Identify And Multiply Monomials |

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | A07_02_01 | MAFS-8.EE.1 | Raise A Monomial To A Power |
| | A07_03_01 | MAFS-8.EE.1 | Divide Monomials |
| | A07_04_01 | MAFS-8.EE.1 | Simplify Exponential Expressions |
| | A07_05_01 | MAFS-8.EE.3, MAFS-8.EE.4 | Scientific Notation |
| A07_05_02 | | MAFS-8.EE.4 | Convert Numbers from Scientific |
| | | MACS-6.EE.4 | Notation to Standard Form |

Solving Systems of Linear Equations - Level 8

| A13_01_01 | MAFS-8.EE.8, MAFS-8.EE.8a, MAFS-8.EE.8b, MAFS-8.EE.8c | Solve A System Of Linear Equations By Graphing |
|-----------|--|---|
| A13_02_01 | MAFS-8.EE.8, MAFS-8.EE.8a, MAFS-8.EE.8b, MAFS-8.EE.8c | Substitution To Solve A System Of Linear Equations |
| A13_03_01 | MAFS-8.EE.8, MAFS-8.EE.8a, MAFS-8.EE.8b, MAFS-8.EE.8c | The Addition Method To Solve A System Of Linear Equations |
| A13_04_01 | MAFS-8.EE.8, MAFS-8.EE.8a, MAFS-8.EE.8b, MAFS-8.EE.8c | Multiplication With The Addition Method |
| H203 | MAFS-8.EE.8, MAFS-8.EE.8a, MAFS-8.EE.8b, MAFS-8.EE.8c | Testing strategy: Solving Systems of Equations Graphically |
| H204 | MAFS-8.EE.8, MAFS-8.EE.8a, MAFS-8.EE.8b, MAFS-8.EE.8c | Testing Strategy: Solving Systems of Equations Given Tables of Values |

Roots - Level 8

| 8404 | MAFS-8.EE.2, MAFS-8.NS.2 | Square Roots and Radical Notation |
|-----------|--------------------------|--|
| 8405 | MAFS-8.EE.2, MAFS-8.NS.2 | Higher Order Roots and Radical Notation |
| A14_01_01 | MAFS-8.EE.2, MAFS-8.NS.2 | Square Roots Of Perfect Squares |
| A14_01_02 | MAFS-8.NS.1, MAFS-8.NS.2 | Rational And Irrational Numbers |

Whole Number Multiplication and Division - Level 9-12

| H505 | A.REI.1, F.BF.2, N.Q.3 | Testing Strategy: Using Estimation in |
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| H303 | A.KEI.1, F.BF.2, N.Q.3 | an Application Problem |

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| Alignment Match | | | | |
| Scaffold: Supporting Obje | ective | | | |
| Unit | Objective Code | Florida State Standards | Objective Title | |
| Whole Number Expon | ents and Orde | er of Operations - Level 9-12 | | |
| | 1024 | N.RN.1, N.RN.2 | Introduction to Exponents | |
| Ratio and Proportion | - Level 9-12 | | | |
| | 3123 | F.BF.2, F.IF.3 | Proportional Relationships | |
| | H108 | F.BF.2, F.IF.3 | Sequences: Use proportions to find missing values | |
| Geometry Concepts - 1 | Level 9-12 | | | |
| | 5201 | G.CO.1 | Geometry Terms: Angles and Lines | |
| | 5211 | G.CO.1 | Complementary and Supplementary Angles | |
| | 5212 | G.CO.9 | Parallel Lines, Transversals, and Their Angles | |
| Geometry Formulas - | Level 9-12 | | | |
| | 5241 | A.CED.4, G.SRT.8 | The Pythagorean Theorem | |
| | 5242 | G.CO.1, G.CO.7, G.CO.8, G.CO.9, G.SRT.5 | Congruent Figures & Theorems | |
| | 5243 | G.SRT.2, G.SRT.3, G.SRT.5 | Similar Triangles and Applications | |
| | H308 | A.CED.4, G.MG.3, G.SRT.4 | Applications: Pythagorean Theorem | |
| | H310 | A.CED.4, G.C.1, G.GMD.1, G.MG.3 | Applications: Circumference | |
| Statistics - Level 9-12 | | | | |
| | 6273 | S.ID.1, S.ID.6, S.ID.6b | Interpreting Scatterplots | |
| | H401 | S.CP.4, S.IC.1, S.ID.2 | Reading Circle Graphs | |
| | H405 | S.CP.4, S.IC.1, S.IC.3 | Reading a Chart | |
| Integers and Real Nun | nbers Concept | s - Level 9-12 | | |
| | A01_03_01 | N.RN.1 | Common Sets Of Real Numbers And Number Line | |

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------|-------------------|-------------------------|--------------------------------|
| | A01_04_01 | N.RN.3 | Comparing Real Numbers |
| | A01_04_02 | N.RN.3 | Compare And Order Real Numbers |
| | A02_01_01 | N.RN.1 | Real Numbers On A Number Line |
| | A02_02_01 | N.RN.1 | Absolute Value |

Integers and Real Numbers Operations - Level 9-12

| integers and real rumbers operations - Devel y-12 | | | | | |
|---|-----------|---------------------------------|--|--|--|
| A02_03_02 | N.RN.1 | Subtracting Real Numbers | | | |
| A02_04_01 | N.RN.1 | Multiplying Real Numbers | | | |
| A02_05_01 | N.RN.1 | Dividing Real Numbers | | | |
| 7301 | N.RN.1 | Order of Operations with Signed | | | |
| /301 | 11.1111.1 | Numbers | | | |
| 7302 | N.RN.1 | Order of Operations with Signed | | | |
| 7302 | 11.1111.1 | Numbers and Exponents | | | |
| 7303 | N.RN.1 | Order of Operations with Signed | | | |
| 7505 | 11.1111.1 | Numbers and Fractions | | | |

Variables - Level 9-12

| A01_01_01 | A.SSE.1, A.SSE.2 | Word Phrases As Algebraic Expressions |
|-----------|------------------|---|
| A01_02_02 | A.SSE.2 | Substitution To Order To Evaluate Expressions |
| A01_01_03 | F.BF.1 | Write a function that describes a relationship between two quantities |

Solving Linear Equations - Level 9-12

| Solving Linear Equations - Level 9-12 | | | | | | |
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| A04_01_0 | A.REI.3 | Solution Set | | | | |
| A04_02_0 | A.REI.3 | Addition And Subtraction Properties | | | | |
| A04_03_0 | A.REI.3 | Multiplication And Division Properties | | | | |
| A04_04_0 | A.REI.3 | More Than One Property | | | | |
| A04_05_0 | A.REI.3 | Variables On Both Sides Of The Equal Sign | | | | |
| A04_08_0 | F.IF.7b | Solving Absolute Value Equations | | | | |

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Scaffold: Supporting Objective

| Unit | Code | Florida State Standards | Objective Title |
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Algebra Problem Solving - Level 9-12 A04_07_01 7332

Objective

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| 7332 | A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.LE.1, F.LE.5 | Translate and Write Linear Equations in One Variable |
| 7333 | A.REI.1, A.SSE.1a, F.BF.1, F.LE.1, F.LE.5 | Writing and Solving Linear Equations |
| A05_01_01 | A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, F.LE.5, N.Q.1, N.Q.2 | Solve Word Problems |
| A05_02_01 | A.CED.2, A.REI.1, A.SSE.1a, F.BF.1, N.Q.1 | Write Equations |
| A05_03_01 | A.CED.2, A.CED.4, A.REI.1, A.SSE.1a, F.BF.1, F.BF.1b, F.LE.1, F.LE.5, G.CO.10, G.CO.9, G.MG.3, G.SRT.5, N.Q.1 | Geometric Formulas |
| A05_05_01 | A.SSE.1a, N.Q.1, N.Q.2 | Problems Involving Mixtures |
| A05_06_01 | A.CED.4, N.Q.1, N.Q.2 | Formula D = RT |
| H502 | F.IF.1, F.IF.2, F.LE.1b | Applications: Rate of Growth |
| | A.CED.1, A.CED.2, A.REI.1, | |

F.BF.1, F.BF.1b, F.LE.1, F.LE.5, Applications: Distance

Literal Equations

Graphing - Level 9-12

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| | 8343 | G.GPE.7 | Distance and Midpoint Formula |

N.Q.1, N.Q.2

Graphing Linear Equations - Level 9-12

H503

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| 8351 | A.CED.2, A.REI.10, F.IF.4, F.IF.7a, F.IF.7d, F.LE.2 | Graphing Linear Equations in Two Variables |
| 8352 | A.CED.2, A.REI.10, A.REI.11, F.IF.4, F.IF.7a, F.IF.7d | Intercepts |
| 8353 | A.CED.2, A.REI.10, F.IF.4, F.IF.7a, F.IF.7d, F.LE.2 | Graphing Special linear Equations |
| 8361 | A.CED.2, A.REI.10, F.IF.4, F.IF.6, F.IF.7a, F.LE.1a, F.LE.5 | Interpret the Slope of a Line |
| 8362 | A.CED.2, A.REI.10, F.IF.7a, F.IF.7d | Slope-Intercept Form of a Line |

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------|-------------------|--------------------------|---|
| | 8371 | A.REI.10, F.IF.4, F.LE.2 | Writing a Linear Equation from Ordered Pairs |
| | H200 | A.REI.10 | Testing Strategy: Match a Graph to a Table of Values |
| | H201 | F.BF.1, F.IF.4, F.IF.6 | Testing Strategy: Find the Equation of a Line Given its Graph |
| | H202 | F.BF.1, F.IF.4, F.IF.6 | Find the Equation of a Line Given Two Points |
| | A11_02_02 | F.IF.4 | Key Features of Linear Graphs and Tables |
| | A11_02_03 | F.IF.4 | Key Features of Non-Linear Graphs and Tables |
| | A11_05_04 | F.IF.5 | Relate the domain of a function to its graph |

| Relations | and | F | unctions | - | Level | 9. | -12 |
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| Relations and Functions - Level 7-12 | | |
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| 6284 | A.SSE.1b, A.SSE.4, F.BF.2, F.IF.3 | Patterns and Numerical Sequences |
| 8381 | F.BF.1, F.IF.1, F.IF.2, F.IF.5 | Relations and Functions of Ordered Pairs |
| 8382 | F.IF.1 | Using the Vertical Line Test |
| 8383 | A.SSE.1b, F.BF.1, F.IF.1, F.IF.2 | Function Notation |
| 8384 | A.REI.11, A.SSE.1b, F.BF.3, F.IF.1, F.IF.4, F.IF.5, F.IF.7, F.IF.9, F.LE.1c, F.LE.2, F.LE.3 | Graphs of Functions |
| 8385 | F.IF.1, F.IF.5 | Domain & Range of Functions |
| H107 | F.IF.3 | Sequences: Develop a formula to find missing values |
| A12_02_04 | F.IF.9 | Compare properties of two linear functions |
| | | |

Inequalities - Level 9-12

| A06_01_01 | A.CED.1, A.REI.3 | Graph Inequalities On A Number Line |
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| A06_02_01 | A.CED.1, A.CED.3, A.REI.3 | Addition And Subtraction Properties For Inequalities |

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | A06_03_01 | A.CED.1, A.CED.3, A.REI.3 | Multiplication And Division Properties For Inequalities |
| | A06_04_01 | A.CED.1, A.CED.3, A.REI.3 | Inequalities Using More Than One Property |
| | A06_05_01 | A.CED.1, A.CED.3, A.REI.3 | Combined Inequalities And Graph Their Solution Sets |
| | A06_06_01 | A.CED.1, A.CED.3, A.REI.3 | Inequalities Containing The Absolute Value Of A Variable Expression |
| | 8372 | A.REI.12, F.IF.4, F.IF.7a | Graphing Linear Inequalities |

Laws of Exponents - Level 9-12

| Laws of Exponents - Level 9-12 | | |
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| A01_05_01 | N.RN.1, N.RN.2 | Exponential Expressions |
| A07_01_01 | N.RN.1, N.RN.2 | Define An Exponent |
| A07_01_02 | A.SSE.3c, N.RN.1, N.RN.2 | Product Rule For Exponents |
| A07_01_03 | A.SSE.2, A.SSE.3c, N.RN.1, N.RN.2 | Identify And Multiply Monomials |
| A07_02_01 | A.SSE.2, A.SSE.3c, N.RN.1, N.RN.2 | Raise A Monomial To A Power |
| A07_03_01 | A.SSE.2, A.SSE.3c, N.RN.1, N.RN.2 | Divide Monomials |
| A07_04_01 | A.SSE.2, A.SSE.3c, N.RN.1, N.RN.2 | Simplify Exponential Expressions |
| A07_05_01 | N.RN.1 | Scientific Notation |
| A07_05_02 | N.RN.1 | Convert Numbers from Scientific Notation to Standard Form |
| A07_04_02 | F.IF.7c | Graph and Explore Exponential Functions |

Polynomial Operations - Level 9-12

| 1 orynomiai Operations (Dever) 12 | | |
|-----------------------------------|---|---------------------------------------|
| A08_01_01 | A.APR.1 | Degree Of A Polynomial |
| A08_01_02 | A.APR.1 | Combining Like Terms |
| A08_02_01 | A.APR.1, A.APR.7, F.BF.1b, F.IF.8a | Add Polynomials |
| A08_02_02 | A.APR.1, A.APR.7, F.BF.1b | Subtract Polynomials |
| A08_03_01 | A.APR.1, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.8a | Multiplying Monomials and Polynomials |
| A08_04_01 | A.APR.1, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.8a | FOIL Order Of Multiplication |

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------|-------------------|---|--|
| | A08_05_01 | A.APR.1, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.8a | Square Binomials |
| | A08_05_02 | A.APR.1, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.8a | Product Of The Sum And Difference Of The Same Two Terms |
| | A08_06_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, F.BF.1b, F.IF.8a | Divide Polynomials |

Polynomial Factoring - Level 9-12

| Polynomial Factoring - Level 9-12 | | |
|-----------------------------------|--|---|
| A09_02_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | GCF Of A List Of Monomials |
| A09_02_02 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | The GCF From A Polynomial |
| A09_03_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | Common Binomials |
| A09_03_02 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | Factor Polynomials By Grouping The Terms |
| A09_04_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | Difference Of Two Squares |
| A09_05_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | Factor a Trinomial with a Leading Coefficient of 1 |
| A09_06_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | Factor a Trinomial with a Leading Coefficient Other than 1 |
| A09_07_01 | A.APR.1, A.APR.2, A.APR.3, A.APR.4, A.APR.5, A.SSE.2, F.IF.8a | Factor A Polynomial Completely |
| A09_08_01 | A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.8a, N.CN.7 | Solve Equations By Factoring |
| | | |

Rational Expressions - Level 9-12

Alignment Match

Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
|------|-------------------|---------------------------|--|
| | A10_01_01 | A.APR.6, A.APR.7, A.REI.2 | Define Rational Expressions And Identify Values For Which One Is Undefined |
| | A10_01_02 | A.APR.6, A.APR.7, A.REI.2 | Write A Rational Expression In Lowest Terms |
| | A10_02_01 | A.APR.6, A.APR.7, A.REI.2 | Multiply Rational Expressions |
| | A10_03_01 | A.APR.6, A.APR.7, A.REI.2 | Divide Rational Expressions |
| | A10_04_01 | A.APR.6, A.APR.7, A.REI.2 | Least Common Denominator Of A List Of Rational Expressions |
| | A10_04_02 | A.APR.6, A.APR.7, A.REI.2 | Write A Rational Expression As An Equivalent Rational Expression |
| | A10_05_01 | A.APR.6, A.APR.7, A.REI.2 | Add And Subtract Rational Expressions With The Same Denominators |
| | A10_06_01 | A.APR.6, A.APR.7, A.REI.2 | Add And Subtract Rational Expressions With Different Denominators |
| | A10_07_01 | A.APR.7, A.REI.2 | Add, Subtract, Multiply, And Divide Rational Expressions |
| | A10_08_01 | N.CN.7 | Define And Simplify Complex Fractions |
| | A10_09_01 | A.APR.6, A.APR.7, A.REI.2 | Solve Equations Containing Rational Expressions |

Solving Systems of Linear Equations - Level 9-12

| Solving Systems of Linear Equations - Level y-12 | | | | |
|--|------------------------------|--------------------------------------|--|--|
| A13_01_01 | A.REI.10, A.REI.11, A.REI.5, | Solve A System Of Linear Equations | | |
| | A.REI.6 | By Graphing | | |
| A13_02_01 | A.REI.5, A.REI.6 | Substitution To Solve A System Of | | |
| | 1111210,1111210 | Linear Equations | | |
| A13 03 01 | A.REI.5, A.REI.6 | The Addition Method To Solve A | | |
| A15_05_01 | A.REI.5, A.REI.0 | System Of Linear Equations | | |
| A13 04 01 | A.REI.5, A.REI.6 | Multiplication With The Addition | | |
| A13_04_01 | A.KEI.J, A.KEI.U | Method | | |
| H203 | A DELIO A DELS A DELG | Testing strategy: Solving Systems of | | |
| H2U3 | A.REI.10, A.REI.5, A.REI.6 | Equations Graphically | | |
| | | Trading Control Calain Control | | |
| H204 | A.REI.5, A.REI.6 | Testing Strategy: Solving Systems of | | |
| | | Equations Given Tables of Values | | |
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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | H205 | A.REI.5, A.REI.6 | Applications: Systems of Equations |

Roots - Level 9-12

| 8404 | N.RN.1, N.RN.2 | Square Roots and Radical Notation |
|-----------|----------------|---|
| 8405 | N.RN.1, N.RN.2 | Higher Order Roots and Radical Notation |
| A14_01_01 | N.RN.1, N.RN.2 | Square Roots Of Perfect Squares |
| A14_01_02 | N.RN.3 | Rational And Irrational Numbers |

Radical Expressions - Level 9-12

| A14_02_01 | A.REI.2 | The Product Rule And The Quotient Rule |
|-----------|--------------------------|---|
| A14_03_01 | A.REI.2 | Simplify Square Roots |
| A14_04_01 | A.REI.2 | Add And Subtract Like Radicals |
| A14_04_02 | A.REI.2, N.CN.7 | Simplify Radical Expressions |
| A14_05_01 | A.REI.2, N.CN.7 | Multiply And Simplify Radicals |
| A15_01_01 | A.REI.2, N.CN.7 | Divide And Simplify Radicals |
| A15_02_01 | A.APR.7, A.REI.2, N.CN.7 | Rationalize Denominators |
| A15_03_01 | N.CN.7 | Equations Containing Square Roots Of Variable Expressions |

Solving Quadratic Equations - Level 9-12

| A16_01_01 | A.REI.4, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.8a, N.CN.7 | The Factoring Method For Solving Equations |
|-----------|--|---|
| A16_01_02 | A.REI.4, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.8a, N.CN.7 | The Square Root Property To Solve Equations |
| A16_02_01 | A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.8a, N.CN.7 | Perfect Square Trinomials |
| A16_02_02 | A.REI.4, A.REI.4a, A.REI.4b, A.SSE.2, A.SSE.3, A.SSE.3a, A.SSE.3b, F.IF.8a, N.CN.7 | Quadratic Equation By Completing The Square |

| Alignment Repo | | | |
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| U nit | Code | Florida State Standards | Objective Title |
| | | A.REI.4, A.REI.4a, A.REI.4b, | Quadratic Equations Using The |
| | A16_03_01 | A.SSE.2, A.SSE.3, A.SSE.3a, F.IF.8a, N.CN.7 | Quadratic Formula |
| | | 1.H.0a, IV.CIV.7 | |
| | | | |
| Linear Equatio | ons - Level Algebra | <u>II</u> | |
| | A2.01.1 | AII | Solving Linear Equations |
| | A2.02.1 | AII | Modeling with Linear Equations |
| | | | |
| r 11.11 - | 1.1. 2. ** | | |
| lnequalities - L | Level Algebra II A2.03.1 | AII | Calvina Lingar Inaqualities |
| | A2.05.1 | AII | Solving Linear Inequalities Compound Inequalities |
| | A2.03.1 | All | Compound mequanties |
| | | | |
| Absolute Value | e - Level Algebra II | | |
| | A2.04.1 | AII | Solving Absolute Equations |
| | | A 11 | Solving Absolute Value Inequalities |
| | A2.06.1 | AII | (Less Than) |
| | A2.06.2 | AII | Solving Absolute Value Inequalities |
| | 112.00.2 | 7111 | (Greater Than) |
| | | | |
| | | | |
| Exponents - Le | evel Algebra II | AII | Calving Evaporatial Evaposions |
| | A2.07.1 | All | Solving Exponential Expressions |
| | | | |
| Operations on | Polynomials - Level | Algebra II | |
| | | | Addition and Subtraction of |
| | A2.08.1 | AII | Polynomials |
| | A2.08.2 | AII | Multiplication of Polynomials |
| | | | |
| | | | |
| Factoring Poly | nomials - Level Alg | <u>ebra II</u> | |
| | A2.09.1 | AII | Factoring Polynomials Using |
| | | | Greatest Common Factor |
| | A2.09.2 | AII | Factoring Polynomials by Grouping |
| | A 2 00 2 | AII | |
| | A2.09.3 | AII | Factoring Trinomials |

Factoring Binomials

General Factoring of Polynomials

AII

AII

A2.10.1

A2.11.1

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title |
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| | A2.12.1 | AII | Solving Quadratic Equations by Factoring |

Operations on Rational Expressions - Level Algebra II

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|--------------------------------------|------------------|--------------------------------------|
| A2.13.1 | AII | Simplifying Rational Expressions |
| | | Addition and Subtraction of Rational |
| A2.14.1 | AII | Expressions (Common |
| | | Denominators) |
| | | Addition and Subtraction of Rational |
| A2.14.2 | AII | Expressions (Different |
| | | Denominators) |
| A2.16.1 | AII | Division of Rational Expression |
| A2.16.2 | AII | Long Division of Rational |
| A2.10.2 | All | Expressions |

Complex Fractions - Level Algebra II

| A2.15.1 | AII | Complex Fractions |
|---------|-----|-------------------|
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Rational Expressions - Level Algebra II

| A2.17.1 | AII | Equations Involving Rational Expressions |
|---------|-----|--|
| A2.18.1 | AII | Modeling with Rational Expressions |

Rational Exponents - Level Algebra II

| Δ2 19 1 | A 11 | Dational Exponents |
|---------|------|--------------------|
| A2.17.1 | AII | Rational Exponents |
| | | |

Operations on Radical Expressions - Level Algebra II

| A2.20.1 | AII | Simplifying Radicals |
|---------|-----|---|
| A2.20.2 | AII | Quotient Rule for Radicals |
| A2.21.1 | AII | Addition and Subtraction of Radical Expressions |
| A2.22.1 | AII | Multiplication of Radical Expressions |
| A2.22.2 | AII | Division of Radical Expressions |

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Scaffold: Supporting Objective

| Unit | Code | Florida State Standards | Objective Title |
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Radical Equations - Level Algebra II

| A 2 22 1 | A TT | Radical Equations |
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| A2.23.1 | Δ II | Radical Editations |
| 112.23.1 | All | Naulcai Eduations |

Quadratic Equations - Level Algebra II

| A2.24.1 | AII | Factoring Quadratic Equations |
|---------|-----|-------------------------------|
| A2.25.1 | AII | Square Root Property |
| A2.25.2 | AII | Completing the Square |
| A2.26.1 | AII | Quadratic Formula |

Functions and Relations - Level Algebra II

| Tunctions and Itelations Ecver is | igeoru ii | |
|-----------------------------------|-----------|---------------------------------------|
| A2.28.1 | AII | Distance and Midpoints |
| A2.28.2 | AII | Finding Intercepts |
| A2.29.1 | AII | Slope and Equations of Straight Lines |
| A2.30.1 | AII | Domain and Range of a Relation |
| A2.30.2 | AII | Function, a Type of Relation |

Equations of Lines - Level Algebra II

| A2.29.2 | AII | Equations of Straight Lines |
|---------|-----|-----------------------------------|
| A2.29.3 | AII | Equations for Perpendicular Lines |

Graphing Linear Inequalities - Level Algebra II

| A2.30.3 | AII | Graphing Linear Inequalities in Two Variables |
|---------|-----|--|
| A2.30.4 | AII | Graphing the Intersection of Two Linear Inequalities |

Systems of Equations - Level Algebra II

| A2.31.1 | AII | Solving a System of Equations by Addition |
|---------|-----|---|
| A2.31.2 | AII | Solving a System of Equations by Substitution |
| A2.31.3 | AII | Solving a System of Equations by Elimination |

| Alignment Repo | rt Legend | | | | | |
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| Alignment Match | | | | | | |
| Scaffold: Support | ing Objective | | | | | |
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| Unit | Objective | Florida State Standards | Objective Title | | | |
| | Code | | | | | |
| Introduction to | Proofs and Geomet | ry Terms - Level Geometry | | | | |
| | G011 | Geo | Postulates and Basic Terms | | | |
| | G012 | Geo | Definitions of Basic Terms | | | |
| | G021 | Geo | Introduction to Proofs | | | |
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| Angles and Lin | es - Level Geometry | | | | | |
| | 5201 | Geo | Geometry Terms: Angles and Lines | | | |
| | | 360 | Geometry Terms. Thigles and Emes | | | |
| | 5211 | Geo | Complementary and Supplementary | | | |
| | | 360 | Angles | | | |
| | 5212 | Geo | Parallel Lines, Transversals, and | | | |
| | | 360 | Their Angles | | | |
| | G051 | Geo | Parallel Lines | | | |
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| <u> Friangles - Lev</u> | <u>el Geometry</u> | | | | | |
| | 5202 | Geo | Angles and Triangles | | | |
| | H302 | Geo | Triangle Sum Theory | | | |
| | G031 | Geo | Triangles, part I | | | |
| | G041 | Geo | Triangles, part II | | | |
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| <u>Quadrilaterals</u> | and Polygons (mode | ling) - Level Geometry | | | | |
| | 5221 | Geo | Parallelograms | | | |
| | 5222 | Geo | Trapezoids | | | |
| | G071 | Geo | Quadrilaterals and Polygons | | | |
| | 00/1 | Geo | (modeling), part I | | | |
| | C072 | Can | Quadrilaterals and Polygons | | | |
| | G072 | Geo | (modeling), part II | | | |
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| | | | | | | |
| Congruent and | Similar Figures - Le | vel Geometry | | | | |
| | 5242 | Geo | Congruent Figures & Theorems | | | |
| | 5243 | Geo | Similar Triangles and Applications | | | |
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| Transformations - Level Geometry | | | | |
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| 5231 | Geo | Transformations | | |

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Scaffold: Supporting Objective

| Unit | Objective Code | Florida State Standards | Objective Title | |
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| | 5232 | Geo | Symmetry | |

Pythagorean Theorem - Level Geometry

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|----------------------------|--------------|------------|-----------------------------------|
| | 5241 | Geo | The Pythagorean Theorem |
| | H308 | Geo | Applications: Pythagorean Theorem |
| | G091 | Geo | Right Triangles |

Circles - Level Geometry

| 5251 | Geo | Perimeter and Circumference |
|------|-----|-----------------------------|
| H310 | Geo | Applications: Circumference |
| G101 | Geo | Circles, Part I |
| G111 | Geo | Circles, Part II |

Area and Perimeter - Level Geometry

| 5252 | Geo | Area |
|------|-----|--------------------|
| G131 | Geo | Area and Perimeter |

2-D and 3-D - Level Geometry

| A05_03_01 | Geo | Geometric Formulas |
|-----------|-----|--------------------|

Volume, Surface Area and Modeling - Level Geometry

| 5223 | Geo | Solids |
|------|-----|--|
| 5253 | Geo | Volume |
| 5254 | Geo | Modeling Effects of Proportional Relationships |
| G151 | Geo | Geometric Solids |

Coordinate Geometry - Level Geometry

| G141 | Geo | Coordinate Geometry, Part I |
|------|-----|-------------------------------|
| G142 | Geo | Coordinate Geometry, Part II |
| G143 | Geo | Coordinate Geometry, Part III |