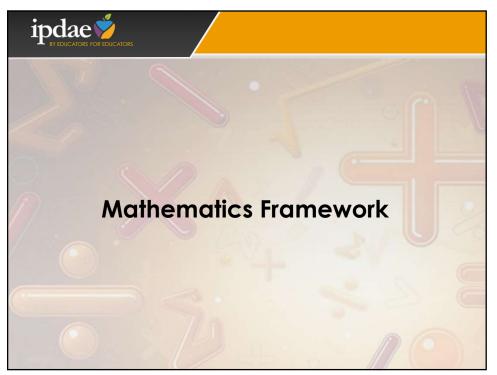
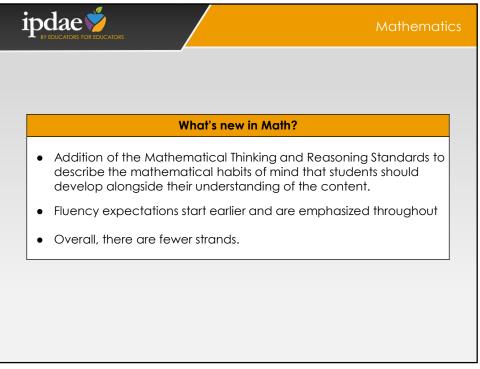


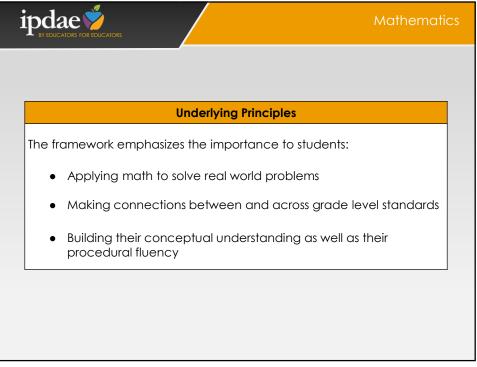
| wild s been c | onsolidated? |
|----------------------|-----------------------|
| Previous ABE Strands | 2023-2024 ABE Strands |
| Foundations | Foundations |
| Reading | Reading |
| Writing | |
| Language | Communication |
| Speaking & Listening | |
| | Vocabulary |
| | |



| 2023-2024 ABE Framework |
|---|
| ABE Mathematics |
| Academic Skills Building – Mathematics |
| |
| |
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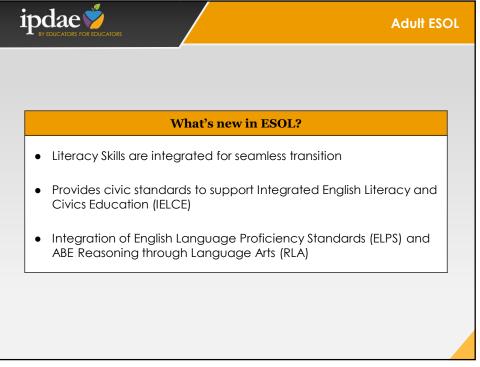
| ST EUCAICKS TOK EUCAICKS | | |
|---|-----------------------------------|--|
| Desidence ADE Channels | | |
| Previous ABE Strands | 2023-2024 ABE Strands | |
| Number and Operations: Base Ten The Number System | Number Sense and Operations (NSO) | |
| Number and Operations: Fractions | Fractions (FR) | |
| Operations and Algebraic Thinking | | |
| Expressions and Equations | Algebraic Reasoning (AR) | |
| Ratios and Proportional Relationships | - | |
| Function | Function (F) | |
| Measurement and Data | Measurement (M) | |
| Geometry | Geometric Reasoning (GR) | |
| Statistics and Probability | Data and Probability (DP) | |



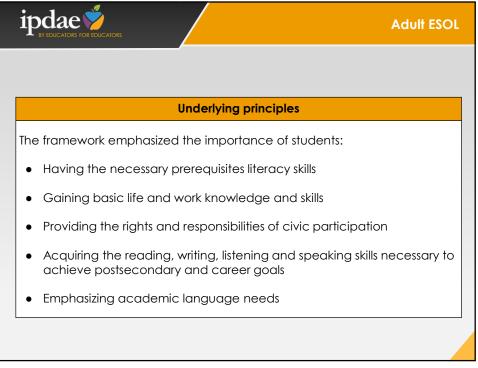
| ABE Mathemat | ABE Mathematics Strands, NRS Levels, and Grade Equivalents | | | | | | |
|--------------------------------|--|--------------|--------------|--------------|--|--|--|
| | Ba | ısic | Intermediate | | | | |
| Strands | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 | | | |
| | GE 0 – 1.9 | GE 2.0 – 3.9 | GE 4.0 – 5.9 | GE 6.0 – 8.9 | | | |
| Number Sense and Operations | | | | | | | |
| Fractions | | | | | | | |
| Algebraic Reasoning | | | | | | | |
| Measurement | | | | | | | |
| Geometric Reasoning | | | | | | | |
| Data and Probability | | | | | | | |
| Function* | | | | | | | |



| Previous ESOL Framework | 2023-2024 ESOL Framework | |
|---|---|--|
| Adult English for Speakers of Other Languages (ESOL) | | |
| Adult ESOL Literacy Skills | Adult English for Speakers of Other Languages (ESOL) | |
| English Literacy for Career and Technical Education (ELCATE) | | |
| Adult ESOL College and Career Readiness | Academic Skills Building - RLA | |
| ELCATE is Integrated Education and | d Training (IFT). | |



| Previous ESOL Frameworks | 2023-2024 ESOL Blueprints | | |
|--|-------------------------------------|--|--|
| ABE Reasoning through Language Arts (RLA) Standards | ELP Standards and ABE RLA Standards | | |
| English Language Proficiency (ELP) Standards | (Combined) | | |
| FDOE Life and Work Competencies | FDOE Life and Work Competencies | | |
| | ESOL Literacy Skills | | |
| | Civics Standards | | |
| | | | |

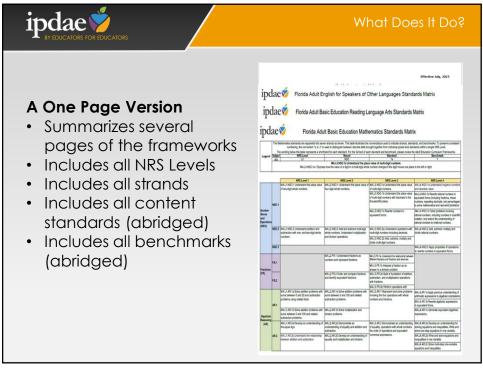


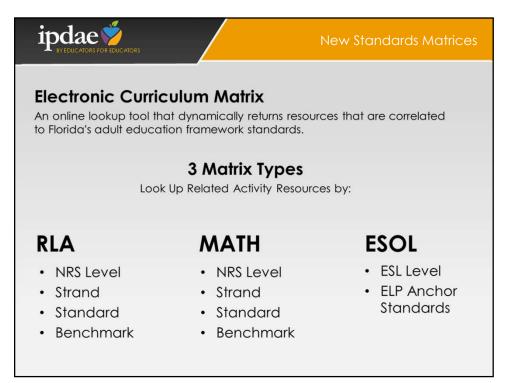






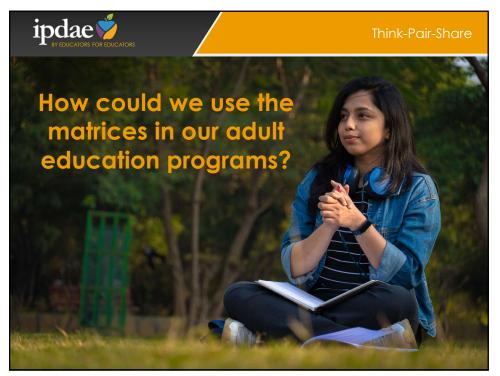
| 7 | Γ, | da | | DUCATORS | | | | | | | | ew Stan | | |
|--------------------------------------|-------|--|-----------|---|---|---------------|----------|--|-----------|--|---|--|--|--|
| ipd: | The M | athematics stanc numberir e wording below | Florida | | | Adul | t Ba | asic Educa | | ndards Matrix Reading Languag | e Arts Standard | ls Matrix | | |
| | | | Legend | The wording Subject | below this tai | ip | d | ae🦻 | Florid | da Adult English fo | or Speakers of (| Other Language | s Standards Ma | itrix |
| | _ | MALLINSO.11 | 1.200.000 | RLA | - | Each B | DOL M | they resource corresponds and ard. To access the | ELPS Leve | | English for | Speakers of Other Language St. | andards | |
| | | of two-digit who | | | | | | e, skill on the link in e according ELP standard. | ESC Level | 1 2 | 5 | 4 By the end of level #, an FLL can. | 1 | |
| Number Sense and Operations | NSO.1 | | | Reading Informat | RLAL1.R2 predict and demonstrat | | e | An ELL can constitut maning from orai presentators and literary and externational stat through evel appropriate releving, mading, and vereing. | | and a really source and diverse in sourcely a free any works and provide in some communications and single system and written texts. | use an energing set of southpes to - dentry the new task is not generatively an extra strate such as and writers tents - entry is the task task and at - entry is the task task and at. | (a) Let in the other than the second seco | yet an increasing range of analogies to - increment a same takes of them in our presentations and update and article increasing the do-expression of the increasing of the do-expression of the increasing of the do-expression increasing of the do-expression i | aire a write range of patiendes to - patients cannot take of themes is any metallities and patient and another their metallities and evolution of the therein a second the analysis to a support the atom and evolves a from tests to support the analysis - automation a test. |
| | NSO.2 | MAL1NSO 21 subtraction with numbers. | | Central Idea R.2. | | | | An ELL can participate in ever appropriate orai and witten exchanges of information, theas, | | ACCively listed to utbers cardiopere in storf conversations and writes extranges about function topics and in formar contents - results simple active quanties and some minutes for simple active quanties and some minutes for the second quanties and some | - participate in short conversations and written succentrate about familiar tapics and texts. - openent strumation and coae. - openent strumation and coae. - openent strumation and coae. - openent to conjue questions and who subscripts. | - participate in conversitions, discussions, and written recharges allow forming factors, back, and backs, - back on the sease of attents, - express this of tent sources, - express this of tent sources, - back means retrieved development, - back means retrieved development, - back means retrieved development, - back means retrieved development, | - participate in conversions, docustors, and written not source; a space of tapos, and source; - source on the source of allows; - express his or her can little; - e | -garticipate in conversions, intenses documents, and writer revisions about a range of substantion tapes, tests, and testers; -build on the sizes of advers; -build on the sizes of advers; -spaces the on the sum items clearly and persurvers; -arrive to support and ensure in sites; |
| | FR.1 | | | Perspective R.2.1 Argument R.2.4 | RLAL1.R.2 author's op evidence. | - | 2 | and analyses, in various social and academic contexts, responding to peer, audience, or mader comments and susetions. | | | and the | -relation some of the kay local relations. - Some rules for Biologically, and -ask questions is gain information or carry understanding. | And and answer questions to carry these and concustors, and summarize the key points expressed. | where is specific and manual evidence from lacks or measures to support to an evidence. ack and answer constrains that probe measuring and come, and summarize the key points and evidence. Solutions. |
| FR) | FR.2 | | Reading | Connecting Ideas R.2.5 | RLAL1.R.2 between tw or pieces of | Archor Stand | \vdash | An ELL can speak and | | with Suspect: - (computers interaction and facilitys about familiar teels, fusics, and superisticity. | eth support. - deliver shurt one presentations and - compare single withen metalives or informations what apport President Works | with support. - deform shart one presentations, - compose written informations truch, and - downing the block with a first security. | Betref are presentations, - Extense artitles informations leads, - ansing the tags with some reasonst | Brive on preventations Compare where contractions tests Tay device the log with reveal Marks, concepts, reserves, and |
| | AR.1 | MALL1.AR.1a 5 sums between problems using | reading | Reading Across | Genres RLAL1.R.3 descriptive | Professor | , | with about level appropriate complex therary and informational texts and topics. | | - express of spream stead & farther laws. | Tapes, Reprinting, or South. | Tentier Tents, Upper, or events, | Hornator, and - Hogwin graphics of multimedia when other about a variety of texts, tapos, or events. - construct a claim about a variety of | Information, and - integrate graphics or multimedia when useful about a valiety of items, inposis, or events, - concernent a substantion claim about a |
| Algebraic Reasoning (AR) | | MALLAR to 5 sums between subtraction pro MALLAR 2a D the equal sign. | | Language R.3.1 Paraphrasing and Summarizing | RLAL1.R.3 written form comprehen | English Langu | | An ELL can convinue wvei-appropriate oral and written came and support them with massione and evidence. | | ngarance or event and - give a masses for the symmet | experiences, or events; - advalues the logic, experience, or event; - pine a research to support the claim, and - provide a concluding elatement. | - annohuce the hapit, - provide subficient reasons or facts to - provide subficient reasons - provide a concluding statement. | tapics. - Horadus the haps, - Horadus the haps, - Janville angulary andered reasons or factor that effectively subject the care, and - Janville & Carchading allocated. | eards) of happen, - introduce the claim, - introduce the claim, - provide togetairy ordered and receard measure and extensive is subatter for claim and to refue the counter-claim, and - provide a conclusion that submittee the applicate presented. |
| | AR 2 | MAL1AR25 U between additk | | R.3.2 Comparative Reading R.3.3 | RLAL1.R.3 two texts or | | | | | WIT support. *Early out shared, research projects, -gather provides from a few provided priot put digits sources. - specification information, experimences, or | eth support. - cany out short individual or shared meanor. process. - game alternation free provided proc eth divide sources. | with trapport - care put short research projects to - particle interactions - particle intera | Lony out both shart and none sustained recentry autority to answer a survive optime information from multiple prior and digite insures; - variants the estimate of each source; | sally ad both shot and new sustained meansh protects to answer a quarties or subine a protect. - quarter internation transmittee press and device subinearies. |
| | | | | Understanding Rhetoric R.3.4 | | | | An ELL can conduct research and evaluate and scormunicate findings to answer questions or score proteims. | | events, and most intermeters from experience of term a provided source. | - record information in entrys notes, and - summarize and information | - paragraphics to post- written or una report. - incluse thatmature, plaquene, or other graphics as appropriate, and - provide a fact of powers. | use search terms affectively; appression affectively; appression affectively; bidgapte stransition test an organized ones or writem space, seed. include Russicality, Seggeng; or other produce as appropriate closure appropriate | Instants the instants of each buryles, one advancement search same differences; Lychessa information from multiple pro- and digital exercise. Analysis and integrate information lines (advancement). Analysis and advancement, and (advancement). |

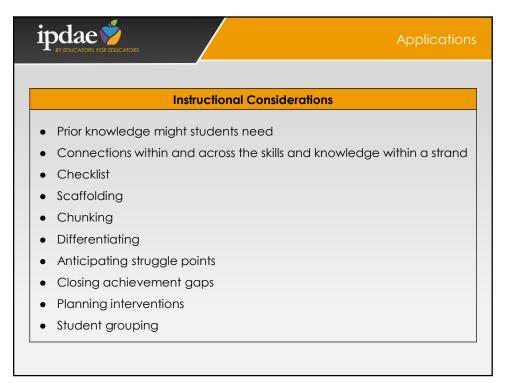




| | | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 |
|---|-------|---|--|--|---|
| | | MA.L1.NSO.1 Understand the place value | MAL2.NSO.1 Understand the place value of | MAL3.NSO.1a Understand the place value | MA.L4.NSO.1a Understand negative number |
| | | of two-digit whole numbers. | four-digit whole numbers. | of multi-digit numbers. | and absolute value. |
| | NSO.1 | | | MA.L3.NSO.1b Understand the place value of multi-digit numbers with decimals to the thousandths place. | MA.L4.NSO.1b Rewrite rational numbers in equivalent forms (including fractions, mixed numbers, repeating decimals, and percentage to solve mathematical and real world problem |
| Number Sense and Operations (NSO) | | | | MA.L3.NSO.1c Rewrite numbers in equivalent forms. | MA.L4.NSO.1c Solve problems involving rational numbers, including numbers in scient notation, and extend the understanding of rational numbers to irrational numbers. |
| NSC | NSO.2 | MA.L1.NSO.2 Understand addition and subtraction with one- and two-digit whole | MA.L2.NSO.2 Add and subtract multi-digit whole numbers. Understand multiplication | MA.L3.NSO.2a Understand operations with multi-digit numbers including decimals. | MA.L4.NSO.2 Add, subtract, multiply and divide rational numbers. |
| | | numbers. | and division operations. | MA.L3.NSO.2b Add, subtract, multiply and divide multi-digit numbers. | |
| | NSO.3 | | | | MA.L4.NSO.3 Apply properties of operation to rewrite numbers in equivalent forms. |
| | FR.1 | | MA.L2.FR.1 Understand fractions as numbers and represent fractions. | MA.L3.FR.1a Understand the relationship between different fractions and fractions and decimals. | |
| Fractions | | | | MA.L3.FR.1b Interpret a fraction as an answer to a division problem. | |
| (FR) | FR.2 | - | MA.L2.FR.2 Order and compare fractions and identify equivalent fractions. | MA.L3.FR.2a Build a foundation of addition, subtraction, and multiplication operations with fractions. | |
| | | | | MA.L3.FR.2b Perform operations with | - |
| | | | MA.L2.AR.1a Solve addition problems with sums between 0 and 100 and related | MA.L3.AR.1 Represent and solve problems involving the four operations with whole | MA.L4.AR.1a Apply previous understanding of arithmetic expressions to algebraic expression |
| | AR.1 | | subtraction problems. | numbers and fractions. | MA.L4.AR.1b Rewrite algebraic expressions in equivalent forms. |
| Algebraic | | MA.L1.AR.1b Solve addition problems with sums between 0 and 100 and related subtraction problems. | MA.L2.AR.1b Solve multiplication and division problems. | | MA.L4.AR.1c Generate equivalent algebraid expressions. |
| (AR) | | MA.L1.AR.2a Develop an understanding of the equal sign. | MA.L2.AR.2a Demonstrate an understanding of equality and addition and subtraction. | MA.L3.AR.2 Demonstrate an understanding of equality, operations with whole numbers, the order of operations and equivalent | MA.L4.AR.2a Develop an understanding for solving equations and inequalities. Write an solve one-step equations in one variable. |

| | — ВТ | EDUCATORS FOR EDUCATORS | | | |
|---|-------|---|---|--|--|
| | | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 |
| | | MA.L1.NSO.1 Understand the place value | MA.L2.NSO.1 Understand the place value of | | MA.L4.NSO.1a Understand negative numb |
| | | of two-digit whole numbers. | four-digit whole numbers. | of multi-digit numbers. | and absolute value. |
| | NSO.1 | | | MA.L3.NSO.1b Understand the place value of multi-digit numbers with decimals to the thousandths place. | MA.L4.NSO.1b Rewrite rational numbers in equivalent forms (including fractions, mixed numbers, repeating decimals, and percentag to solve mathematical and real world problem |
| Number Sense and Operations (NSO) | | | | MA.L3.NSO.1c Rewrite numbers in equivalent forms. | MA.L4.NSO.1c Solve problems involving rational numbers, including numbers in scien notation, and extend the understanding of rational numbers to irrational numbers. |
| | NSO.2 | MA.L1.NSO.2 Understand addition and subtraction with one- and two-digit whole | whole numbers. Understand multiplication | MA.L3.NSO.2a Understand operations with multi-digit numbers including decimals. | MA.L4.NSO.2 Add, subtract, multiply and divide rational numbers. |
| | | numbers. | and division operations. | MA.L3.NSO.2b Add, subtract, multiply and divide multi-digit numbers. | |
| | NSO.3 | | 1 | | MA.L4.NSO.3 Apply properties of operation to rewrite numbers in equivalent forms. |
| Fractions | FR.1 | | MA.L2.FR.1 Understand fractions as numbers and represent fractions. | MA.L3.FR.1a Understand the relationship between different fractions and fractions and decimals. | |
| | FR.1 | | | MA.L3.FR.1b Interpret a fraction as an answer to a division problem. | |
| (FR) | FR.2 | | MA.L2.FR.2 Order and compare fractions and identify equivalent fractions. | MA.L3.FR.2a Build a foundation of addition, subtraction, and multiplication operations with fractions. | |
| | | | | MA.L3.FR.2b Perform operations with | |
| (| | MA.L1.AR.1a Solve addition problems with sums between 0 and 20 and subtraction problems uping related fasts | MA.L2.AR.1a Solve addition problems with sums between 0 and 100 and related subtraction problems. | MA.L3.AR.1 Represent and solve problems involving the four operations with whole numbers and fractions. | MA.L4.AR.1a Apply previous understanding arithmetic expressions to algebraic expression |
| | AR.1 | problems using related facts. | | numbers and fractions. | MA.L4.AR.1b Rewrite algebraic expressions in equivalent forms. |
| Algebrai | | MA.L1.AR.1b Solve addition problems with sums between 0 and 100 and related subtraction problems. | MA.L2.AR.1b Solve multiplication and division problems. | | MA.L4.AR.1c Generate equivalent algebrai expressions. |
| (AR) | | MA.L1.AR.2a Develop an understanding of the equal sign. | MA.L2.AR.2a Demonstrate an understanding of equality and addition and subtraction. | MA.L3.AR.2 Demonstrate an understanding of equality, operations with whole numbers, the order of operations and equivalent | MA.L4.AR.2a Develop an understanding fo solving equations and inequalities. Write an solve one-step equations in one variable. |





| 1 | P _{BY} | dae 🎽 | | | Planning |
|--------------------------------------|-----------------|---|--|--|--|
| | | | | | - |
| | | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 |
| | | MA.L1.NSO.1 Understand the place value | | MA.L3.NSO.1a Understand the place value | MA.L4.NSO.1a Understand negative numbe |
| | | of two-digit whole numbers. | four-digit whole numbers. | of multi-digit numbers. | and absolute value. |
| | NSO.1 | | | MA.L3.NSO.1b Understand the place value of multi-digit numbers with decimals to the thousandths place. | MA.L4.NSO.1b Rewrite rational numbers in equivalent forms (including fractions, mixed numbers, repeating decimals, and percentage to solve mathematical and real world problems |
| Number Sense and Operations | | WEEK 1 | WEEK 11 | MA.L3.NSO.1c Rewrite numbers in equivalent forms. | MA.L4.NSO.1c Solve problems involving rational numbers, including numbers in scienti notation, and extend the understanding of rational numbers to irrational numbers. |
| (NSO) | NSO.2 | MA.L1.NSO.2 Understand addition and subtraction with one- and two-digit whole | MA.L2.NSO.2 Add and subtract multi-digit whole numbers. Understand multiplication | MA.L3.NSO.2a Understand operations with multi-digit numbers including decimals. | MA.L4.NSO.2 Add, subtract, multiply and divide rational numbers. |
| | | WEEK 1 | and division operations. | MA.L3.NSO.2b Add, subtract, multiply and divide multi-digit numbers. | |
| | NSO.3 | | | | MA.L4.NSO.3 Apply properties of operations to rewrite numbers in equivalent forms. |
| | FR.1 | | MA.L2.FR.1 Understand fractions as numbers and represent fractions. | MA.L3.FR.1a Understand the relationship between different fractions and fractions and decimals. | |
| Fractions | FR.1 | | WEEK 12 | MA.L3.FR.1b Interpret a fraction as an answer to a division problem. | |
| (FR) | FR.2 | - | MA.L2.FR.2 Order and compare fractions and identify equivalent fractions. | MA.L3.FR.2a Build a foundation of addition, subtraction, and multiplication operations with fractions. | |
| | | | WFFK 12 | MA.L3.FR.2b Perform operations with | 4 |
| | | MA.L1.AR.1a Solve addition problems with sums between 0 and 20 and subtraction | MA.L2.AR.1a Solve addition problems with sums between 0 and 100 and related | MA.L3.AR.1 Represent and solve problems involving the four operations with whole | MA.L4.AR.1a Apply previous understanding or arithmetic expressions to algebraic expression |
| | AR.1 | problems using related facts. | subtraction problems. | numbers and fractions. | MA.L4.AR.1b Rewrite algebraic expressions in equivalent forms. |
| Algebraic | | MA.L1.AR.1b Solve addition problems with sums between 0 and 100 and rolated subtraction replane | MA.L2.AR.1b Solve multiplication and division problem | | MA.L4.AR.1c Generate equivalent algebraic expressions. |
| (AR) | | MA.L1.AR.2a Develop an understanding of the equal sig. | MA.L2.AR.2a Demonstrate an understanding of equality and addition and subtraction. | MA.L3.AR.2 Demonstrate an understanding of equality, operations with whole numbers, the order of operations and equivalent | MA.L4.AR.2a Develop an understanding for solving equations and inequalities. Write and solve one-step equations in one variable. |

| <u>,</u> | BY | EDUCATORS FOR EDUCATORS | | Scaffolding and | |
|---|-----------|---|--|---|---|
| | | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 |
| | | MA.L1.NSO.1Understand the place value of two-digit whole numbers. | MA.L2.NSO.1Understand the place value of four- digit whole numbers. | MA.L3.NSO.1a Underst and the place value of multi-digit numbers. | MA.L4.NSO.1a Understand negative numbers and absolute value. |
| Number | NSO. 1 | , in the second s | | MA.L3.NSO. 1b Underst and the place value of multi-digit numbers with decimals to the thousand thsplace. | MA.L4.NSO.1b Rewriterational numbersin equivalent forms (including fractions, mixed numbers, repeating decimals, and percent ages |
| Sense and Operati ons (NSO) | | | | MA.L3.NSO.1c Rewrite numbersin equivalent forms. | MA.L4.NSC.1c Solve problems involving ration numbers, including numbers in scientific notation, and extend the understanding of |
| | NSO. 2 | MA.L1.NSO.2 Understand addition and subtraction with one- and two-digit whole numbers. | MA.L2.NSO.2 Add and subtract multi-digit whole numbers. Understand multiplication and division operations. | MA.L3.NSO.2a Understand operations with multi digit numbers including decimals. MA.L3.NSO.2b Add, subtract, multiply and divide multi-digit numbers. | MA.L4.NSO.2 Add, subtract, multiply and divid rational numbers. |
| | NSO. 3 | | MA.L4.NSO.3 Apply properties of operations to rewrite numbers in equivalent forms. | | |
| Fractio | FR.1 | | MA.L2.FR.1Underst and fractions as numbers and represent fractions. | MA.L3.FR.1a Underst and the relationship between different fractions and fractions and MA.L3.FR.1b Interpret a fraction as an answer to | |
| ns (FR) | FR.2 | | MA.L2.FR.2 Order and compare fractions and identify equivalent fractions. | A MUSION DECEMBENT MALLS.FR.2a Build af oundation of addition, subtraction, and multiplication operations with final ion op on December 2010 | |
| | AR.1 | MA.L1.AR. 1a Solve addition problemswith sumsbetween 0 and 20 and subtraction problemsusing related facts. | MA.L2.AR. 1a Solve addition problemswith sums between 0 and 100 and related subtraction problems. | MA.L3.FR.2b Perform operations with fractions MA.L3.AR.1Represent and solve problems involving the four operations with whole numbers and fractions. | MA.L4.AR.1a Apply previous understanding of arithmetic expressions to algebraic expression MA.L4.AR.1b Rewrite algebraic expressions in equivalent forms |
| | | MA.L1.AR.1b Solve addition problemswith sumsbetween 0 and 100 and related | MA.L2.AR.1b Solve multiplication and division problems. | | equivalent forms MA.L4.AR.1c Generat e equivalent algebraic expressions. |
| | | MA.L1.AR.2a Develop an understanding of the equal sign. | MA.L2.AR.2a Demonstrate an understanding of equality and addition and subtraction. | MA.L3.AR.2 Demonstrate an understanding of equality, operations with whole numbers, the | MA.L4.AR.2a Develop an understanding for solving equations and inequalities. Write and |
| Algebra ic Reasoni ng (AR) | AR.2 | MALL1AR.2b Understand the relationship between addition and subtraction. | MA.L2.AR.2b Develop an understanding of equality and multiplication and division. | order of operations and equivalent numerical expressions. | MA.L4.AR.2b Write and solve equations and inequalities in one variable. MA.L4.AR.2c Solve multi-step one-variable equations and inequalities. |

| | BY | educators for educators | / | | Progression |
|--------------------------------|--------------|--|--|--|---|
| | | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 |
| lumber | NSO. 1 | MALL1NSO.1 Underst and the place value of two-digit whole numbers. | MA.L2.NSO.1Understand the place value of four- digit whole numbers. | MA.L3.NSO.1a Underst and the place value of multi-digit numbers. MA.L3.NSO.1b Underst and the place value of multi-digit numbers with decimals to the thousandthsplace. | MA.L4.NSO. 1a Underst and negative numbers and absolute value. MA.L4.NSO. 1b Rewrite rational numbers in equivalent forms; including fractions, mixed numbers, repeating decimals, and percentage |
| Sense Ind Operati | | | | MA.L3.NSO.1c Rewrite numbersin equivalent forms. | MA.L4.NSO.1c Solve problems involving ratio numbers, including numbers in scientific not ation, and extend the understanding of |
| ons (NSO) | NSO. 2 | MA.L1.NSO.2 Understand addition and subtraction with one- and two-digit whole numbers. | MA.L2.NSO.2 Add and subtract multi-digit whole numbers. Understand multiplication and division operations. | MA.L3.NSO.2a Underst and operations with multi digit numbers including decimals. MA.L3.NSO.2b Add, subtract, multiply and divide multi-digit numbers. | MA.L4.NSO.2 Add, subtract, multiply and divi rational numbers. |
| | NSO. 3 | | | | MA.L4.NSO.3 Apply properties of operations rewrite numbers in equivalent forms. |
| Fractio Is (FR) | FR.1 FR.2 | - | represent fractions. MA.L2.FR.2 Order and compare fractions and | MA.L3.FR.1a Understand the relationship between different fractions and fractions and MA.L3.FR.1b Interpret a fraction as an answer to a division architem MA.L3.FR.2a Build a foundation of addition, | |
| | | | identify equivalent fractions. | subtraction, and multiplication operations with MA.L3.FR.2b Perform operations with fractions. | |
| | AR.1 | MA.L1.AR.1a Solve addition problems with sums between 0 and 20 and subtraction problems using related facts. | MA.L2.AR.1a Solve addition problemswith sums between 0 and 100 and related subtraction problems. | MA.L3.AR.1Represent and solve problems involving the four operations with whole numbers and fractions. | MA.L4.AR.1a Apply previous understanding of arithmetic expressions to alcebraic expression MA.L4.AR.1b Rewrite algebraic expressions in equivalent forms. |
| | | MA.L1.AR.1b Solve addition problems with sumsbetween 0 and 100 and related | MA.L2.AR. 1b Solve multiplication and division problems. | | MA.L4.AR.1c Generate equivalent algebraic expressions. |
| | | MA.L1.AR.2a Develop an understanding of the equal sign. | MA.L2.AR.2a Demonstrate an understanding of equality and addition and subtraction. | MA.L3.AR.2 Demonstrate an understanding of equality, operations with whole numbers, the | MA.L4.AR.2a Develop an underst anding for solving equations and inequalities. Write and |
| Algebra ic Reasoni ng | AR.2 | MA.L1.AR.2b Underst and the relationship between addition and subtraction. | MA.L2.AR.2b Develop an underst anding of equality and multiplication and division. | order of operations and equivalent numerical expressions. | MA.L4.AR.2b Write and solve equations and inequalities in one variable. MA.L4.AR.2c Solve multi-step one-variable equations and inequalities. |
| (AR) | | | A 12 AP 2 Doubles as understanding of | MA 12 AD 20 Decembra numerical patterns | MALLARD 2 all inderstand ratio and unit ratio |

| 1 | P.P. | educators for educators | | | Checklist |
|---|-------|--|--|---|--|
| | | | | | |
| | | NRS Level 1 | NRS Level 2 | NRS Level 3 | NRS Level 4 |
| Number Sense and Operations (NSO) | | MA.L1.NSO.1 Understand the place value of two-digit whole numbers. | MA.E2.NO.1 Understand the place value of tour-digit whole numbers. | f MA.L3.NSO.1a Understand the place value | MA.L4.NSO.1a Understand negative number |
| | NSO.1 | | | of multi-digit numbers. | and absolute value. |
| | | | | MA.L3.NSO.1b Understand the place value of multi-digit numbers with decimals to the thousandths place. | MA.L4.NSO.1b Rewrite rational numbers in equivalent forms (including fractions, mixed numbers, repeating decimals, and percentag to solve mathematical and real world problem |
| | | | | MA.L3.NSO.1c Rewrite numbers in equivalent forms. | MA.L4.NSO.1c Solve problems involving rational numbers, including numbers in scient notation, and extend the understanding of rational numbers to irrational numbers. |
| | | MA.L1.NSC2 Understand addition and subtraction with one- and two-digit whole numbers. | MA.L2.NSO.2 Add and subtract multi-digit whole numbers. Understand multiplication and division operations. | MAL3 SO.2a Understand operations with multiplication of the standard state of the | MA.L4.NSO.2 Add, subtract, multiply and divide rational numbers. |
| | | | | MA.L3.NSO.2b Add, subtract, multiply and divide multi-digit numbers. | |
| | NSO.3 | | | | MA.L4.NSO.3 Apply properties of operation to rewrite numbers in equivalent forms. |
| Fractions (FR) | FR.1 | 1 | MA.L2.FR. Understand fractions as number and represent fractions. | MA.L3.FR.1a Understand the relationship between different fractions and fractions and decimals. | |
| | . I | | | MA.L3.FR.1b Interpret a fraction as an answer to a division problem. | |
| | FR.2 | | MA.L2.FR.2 Order and compare fractions and identify equivalent fractions. | MA.L3.FR.2a Build a foundation of addition, subtraction, and multiplication operations with fractions. | |
| | | | | MA.L3.FR.2b Perform operations with | - |
| Algebraic Reasoning (AR) | | sums between 0 and 20 and subtraction problems using related facts. | MA.L2.AR.1a Solve addition problems with sums between 0 and 100 and related subtraction problems. | MA.L3.AR.1 Represent and solve problems involving the four operations with whole numbers and fractions. | MA.L4.AR.1a Apply previous understanding arithmetic expressions to algebraic expression |
| | | | | | A.L. R. 1b Rewrite algebraic expressions in avaient forms. |
| | | MA.L1.AR Solve addition problems with syms between 0 and 100 and related subtraction problems. | MAL2.AR Solve multiplication and division oblems. | | MAL4.AR.1c Generate equivalent algebraic expressions. |
| | | MA.L1.AR.2a Develop an understanding of the equal sign. | MAL2.AR.2a Demonstrate an understanding of equality and addition and subtraction. | MA.L3.AR.2 Demonstrate an understanding of equality, operations with whole numbers, the order of operations and equivalent | MA.L4.4.2 a Develop an understanding for vin equations and inequalities. Write an source one-step equations in one variable. |

