## Aztec Software's

TABE 11 \& 12 Correlation


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## Aztec's Fundamentals Series: Correlation to TABE 11 \& 12 Level E

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## TABE 11 \& 12 READING

## PHONICS AND WORD RECOGNITION (16\%)

| Standard | Aztec's Fundamentals <br> Unit | Aztec's Fundamentals <br> Lesson |
| :--- | :--- | :--- |
| 2.RF.3 Know and apply grade-level phonics and word analysis skills in decoding words. |  |  |
| 2.RF.3.a <br> Distinguish long and short vowels when reading regularly <br> spelled one-syllable words. | Letters and Sounds | What Are Short Vowel <br> Sounds? |

## KEY IDEAS AND DETAILS 37\%

\(\left.$$
\begin{array}{l|l|l|}\hline \text { Standard } & \begin{array}{l}\text { Aztec's Fundamentals } \\
\text { Unit }\end{array} & \begin{array}{l}\text { Aztec's Fundamentals } \\
\text { Lesson }\end{array} \\
\hline \begin{array}{l}\text { 2.RI.1 } \\
\text { Ask and answer such questions as who, what, where, when, } \\
\text { why, and how to demonstrate understanding of key details in a } \\
\text { text. }\end{array} & \text { The Basics of Reading } & \begin{array}{l}\text { Answering Who, What, } \\
\text { When, Where, Why, } \\
\text { and How Questions }\end{array} \\
\hline \begin{array}{l}\text { 3.RI.2 } \\
\text { Determine the main idea of a text; recount the key details and } \\
\text { explain how they support the main idea. }\end{array}
$$ \& The Basics of Reading \& Identifying the Main <br>

Idea and Important\end{array}\right\}\)| Details |
| :--- |

## CRAFT AND STRUCTURE 32\%

| Standard | Aztec's Fundamentals <br> Unit | Aztec's Fundamentals <br> Lesson |
| :--- | :--- | :--- |
| 3.RI.4 <br> Determine the meaning of general academic and domain- <br> specific words and phrases in a text relevant to a topic or <br> subject area. | Using Your Reading Skills | Reading Social Studies |
| 2.RI.5 <br> Know and use various text features (e.g., captions, bold print, <br> subheadings, glossaries, indexes, electronic menus, icons) to <br> locate key facts or information in a text efficiently. | Building Your Reading <br> Skills | Understanding Print |
| 3.RI.5 |  |  |

## INTEGRATION OF KNOWLEDGE AND IDEAS 15\%

| Standard | Aztec's Fundamentals Unit | Aztec's Fundamentals Lesson |
| :---: | :---: | :---: |
| 3.RI. 7 <br> Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur). | Building Your Reading Skills | Using Graphics to Increase Comprehension |
| 2.RI. 8 <br> Describe how reasons support specific points the author makes in a text. | Advancing Your Reading Skills | Fact and Opinion |

TABE 11 \& 12 LANGUAGE

## CONVENTIONS OF STANDARD ENGLISH 48\%



| Form and use regular and irregular plural nouns. | Skills | More About Nouns |
| :---: | :---: | :---: |
| 3.L.1.c <br> Use abstract nouns (e.g., childhood). | Building Your Grammar Skills | More About Nouns |
| 3.L.1.d <br> Form and use regular and irregular verbs. | Building Your Grammar Skills | More About Verbs |
| 3.L.1.e <br> Form and use the simple (e.g., I walked; I walk; I will walk) verb tenses. | Building Your Grammar Skills | More About Verbs |
| 3.L.1.f <br> Ensure subject-verb and pronoun-antecedent agreement. | Building Your Grammar Skills | More About Pronouns |
|  |  | More About Verbs |
|  |  | What Are Subjects, Predicates, and Direct Objects? |
|  | Building Your Sentence Skills | What Are the Types of Sentences? |
| 3.L.1.g <br> Form and use comparative and superlative adjectives and adverbs, and choose between them depending on what is to be modified. | Building Your Grammar Skills | More About Adjectives |
|  |  | More About Adverbs |
|  |  | The Differences Between Adjective and Adverbs |
| 3.L.1.h <br> Use coordinating and subordinating conjunctions. | Building Your Grammar Skills | More About Conjunctions |
| 3.L.1.i <br> Produce simple, compound, and complex sentences. | Building Your Sentence Skills | What Are the Compound Parts of Sentences? |
|  |  | More About the Compound Parts of Sentences |
|  |  | What Are Compound Sentences? |
|  |  | What Are Complex Sentences? |
|  |  | What Are Fragments and Run-On Sentences? |

## 2.L. 2

Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

| 2.L.2.a <br> Capitalize holidays, product names, and geographic names. | Building Your <br> Capitalization and <br> Punctuation Skills | More About Capital <br> Letters |
| :--- | :--- | :--- | :--- |
| 2.L.2.b <br> Use commas in greetings and closings of letters. | Building Your <br> Capitalization and <br> Punctuation Skills | More About Commas |
| 2.L.2.c <br> Use an apostrophe to form contractions and frequently <br> occurring possessives. | Building Your <br> Capitalization and <br> Punctuation Skills | What Are Possessives |
| 2.L.2.d <br> Generalize learned spelling patterns when writing words (e.g., <br> cage $\rightarrow$ badge; boy $\rightarrow$ boil). | Building Your Spelling <br> Skills | Word Patterns |
| 2.L.2.e <br> Consult reference materials, including beginning dictionaries, as <br> needed to check and correct spellings. | Building Your Spelling <br> Skills | Exceptions with Word <br> Endings |

## 3.L. 2

Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

| 3.L.2.a <br> Capitalize appropriate words in titles. | Building Your <br> Capitalization and <br> Punctuation Skills | More About Capital <br> Letters |
| :--- | :--- | :--- |
| 3.L.2.b <br> Use commas in addresses. | Building Your <br> Capitalization and <br> Punctuation Skills | More About Commas |
| 3.L.2.c <br> Use commas and quotation marks in dialogue. | Building Your <br> Capitalization and <br> Punctuation Skills | Marks |
| 3.L.2.d |  |  |
| Form and use possessives. | Building Your |  |
| Capitalization and |  |  |
| Punctuation Skills |  |  |$\quad$| More About |
| :--- |
| Apostrophes |


| 3.L.2.f |  |  |
| :--- | :--- | :--- |
| Use spelling patterns and generalizations (e.g., word families, <br> position based spellings, syllable patterns, ending rules, <br> meaningful word parts) in writing words. | Building Your Spelling <br> Skills | Spelling Patterns: Word <br> Endings |

VOCABULARY ACQUISITION AND USE 22\%

| Standard | Aztec's Fundamentals | Aztec's Fundamentals <br> Lesson |
| :--- | :--- | :--- |
| 2.L.4.a <br> Use sentence-level context as a clue to the meaning of a word <br> or phrase. | Building Your Vocabulary <br> Skills | Determining the <br> Meaning of Words and <br> Phrases |
| 2.L.4.b <br> Determine the meaning of the new word formed when a <br> known prefix is added to a known word (e.g., happy/unhappy, <br> tell/retell). | Building Your Spelling <br> Skills | Adding Prefixes | | A. |
| :--- |


| 3.L.6 | Building Your Vocabulary | Using Words and <br> Acquire and use accurately level-appropriate conversational, <br> general academic, and domain-specific words and phrases, <br> including those that signal spatial and temporal relationships <br> (e.g., After dinner that night we went looking for them). |
| :--- | :--- | :--- |

## TEXT TYPES AND PURPOSES 30\%

| Standard | Aztec's Fundamentals Unit | Aztec's Fundamentals Lesson |
| :---: | :---: | :---: |
| 3.W. 1 <br> Write opinion pieces on topics or texts, supporting a point of view with reasons. <br> a. Introduce the topic or text they are writing about, state an opinion, and create an organizational structure that lists reasons. <br> b. Provide reasons that support the opinion. <br> c. Use linking words and phrases (e.g., because, therefore, since, for example) to connect opinion and reasons. <br> d. Provide a concluding statement or section. | Building Your Writing Skills <br> Improving Your Writing Skills | Writing to Give Your Opinion <br> Writing an Opinion Essay |
| 3.W. 2 <br> Write informative/explanatory texts to examine a topic and convey ideas and information clearly. <br> a. Introduce a topic and group related information together; include illustrations when useful to aiding comprehension. <br> b. Develop the topic with facts, definitions, and details. <br> c. Develop the topic with facts, definitions, and details. <br> d. Provide a concluding statement or section. | Building Your Writing Skills <br> Improving Your Writing Skills | Writing to Explain <br> Writing an Informative or Explanatory Essay |

## TABE 11 \& 12 MATHEMATICS

NUMBERS AND OPERATIONS IN BASE TEN 28\%

## Standard

## Aztec's Fundamentals Unit

Aztec's Fundamentals Lesson

## 2.NBT. 1

Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases:

| 2.NBT.1.a <br> 100 can be thought of as a bundle of ten tens - called a "hundred." | Numbers and Place Value | Reading and Writing Numbers |
| :---: | :---: | :---: |
| 2.NBT.1.b <br> The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones). | Numbers and Place Value | Reading and Writing Numbers |
| 3.NBT. 1 <br> Use place value understanding to round whole numbers to the nearest 10 or 100 . | Operations with Whole Numbers | Rounding and Estimating With Whole Numbers |
| 2.NBT. 2 <br> Count within 1,000; skip-count by $5 \mathrm{~s}, 10 \mathrm{~s}$, and 100 s. | Numbers and Place Value | Counting and Ordering Numbers |
|  |  | Counting Odd and Even Numbers |
| 3.NBT. 2 <br> Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction. | Operations with Whole Numbers | How to Add Whole Numbers |
|  |  | More About Adding Whole Numbers |
|  |  | How to Subtract Whole Numbers |
|  |  | More About Subtracting Whole Numbers |
| 2.NBT. 3 <br> Read and write numbers to 1,000 using base-ten numerals, number names, and expanded form. | Numbers and Place Value | Reading and Writing Numbers |
| 3.NBT. 3 <br> Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., $9 \times 80,5 \times 60$ ) using strategies based on place value and properties of operations. | Operations with Whole Numbers | More About Multiplying Whole Numbers |


| 2.NBT. 4 <br> Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, $=$, and < symbols to record the results of comparisons. | Numbers and Place Value | Comparing Whole Numbers |
| :---: | :---: | :---: |
| 2.NBT. 6 <br> Add up to four two-digit numbers using strategies based on place value and properties of operations. | Operations with Whole Numbers | Adding Two or More Whole Numbers |
|  |  | More About Adding Whole Numbers |
| 2.NBT. 7 <br> Add and subtract within 1,000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds. | Operations with Whole Numbers | How to Add Whole Numbers |
|  |  | More About Adding Whole Numbers |
|  |  | How to Subtract Whole Numbers |
|  |  | More About Subtracting Whole Numbers |

## NUMBERS AND OPERATIONS - FRACTIONS 12\%

| Standard | Aztec's Fundamentals Unit | Aztec's Fundamentals Lesson |
| :---: | :---: | :---: |
| 3.NF. 1 <br> Understand a fraction $1 / b$ as the quantity formed by 1 part when a whole is partitioned into $b$ equal parts; understand $a$ fraction $a / b$ as the quantity formed by a parts of size $1 / b$. | Reasoning with Fractions | What Are Fractions? More About Fractions |
| 3.NF. 2 <br> Understand a fraction as a number on the number line; repre | tractions on a numbe | ne diagram. |
| 3.NF.2.a <br> Represent a fraction $1 / b$ on a number line diagram by defining the interval from 0 to 1 as the whole and partitioning it into $b$ equal parts. Recognize that each part has size $1 / b$ and that the endpoint of the part based at 0 locates the number $1 / b$ on the number line. | Reasoning with Fractions | More About Fractions |
| 3.NF.2.b <br> Represent a fraction $\mathrm{a} / \mathrm{b}$ on a number line diagram by marking off a lengths $1 / b$ from 0 . Recognize that the resulting interval has size $a / b$ and that its endpoint locates the number $a / b$ on the number line. | Reasoning with Fractions | More About Fractions |

3.NF. 3

Explain equivalence of fractions in special cases, and compare fractions by reasoning about their size.

| 3.NF.3.a |  |  |
| :--- | :--- | :--- |
| Understand two fractions as equivalent (equal) if they are the <br> same size, or the same point on a number line. | Reasoning with Fractions | What Are Equivalent <br> Fractions? |
| 3.NF.3.b <br> Recognize and generate simple equivalent fractions, e.g., $1 / 2=$ <br> $2 / 4,4 / 6=2 / 3$. Explain why the fractions are equivalent, e.g., by <br> using a visual fraction model. | Reasoning with Fractions | What Are Equivalent |
| Fractions? |  |  |


| comparisons are valid only when the two fractions refer to the |  |  |
| :--- | :--- | :--- |
| same whole. Record the results of comparisons with the |  |  |
| symbols $>,=$, or <, and justify the conclusions, e.g., by using a |  |  |
| visual fraction model. |  |  |

## OPERATIONS AND ALGEBRAIC THINKING 22\%

| Standard | Aztec's Fundamentals Unit | Aztec's Fundamentals Lesson |
| :---: | :---: | :---: |
| 2.OA. 1 <br> Use addition and subtraction within 100 to solve one- and twostep word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. | Introduction to Problem Solving and Reasoning | Understanding Money |
|  |  |  |
|  |  | What Are Signal Words? |
|  |  | Solving Word Problems |
| 3.OA. 1 <br> Interpret products of whole numbers, e.g., interpret $5 \times 7$ as the total number of objects in 5 groups of 7 objects each. For example, describe a context in which a total number of objects can be expressed as $5 \times 7$. | Operations with Whole | How to Multiply Whole |
|  | Numbers | Numbers |
| Standard | Aztec's Fundamentals Unit | More About Multiplying Whole Numbers |
| 2.OA. 2 <br> Fluently add and subtract within 20 using mental strategies. Know from memory all sums of two one digit numbers. | Introduction to Problem Solving and Reasoning | What Are Arithmetic Patterns? |
| 3.OA. 2 <br> Interpret whole-number quotients of whole numbers, e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each. For example, describe a context in which a number of shares or a number of groups can be expressed as $56 \div 8$. | Operations with Whole Numbers | How to Divide Whole |
|  |  | Numbers |
|  |  |  |
|  |  | More About Dividing Whole Numbers |
| 3.OA. 3 <br> Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with symbol for the unknown number to represent the problem. | Operations with Whole Numbers | More About Multiplying Whole Numbers |
|  |  | More About Dividing Whole Numbers |
|  | Introduction to Problem Solving and Reasoning | What Are Signal Words? |
|  |  | Solving Word Problems |
| 3.OA. 4 <br> Determine the unknown whole number in a multiplication or | Operations with Whole Numbers | How to Multiply Whole Numbers |


| division equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations $8 \times ?=48,5==_{-} \div 3,6 \times 6=$ ?. |  | How to Divide Whole Numbers |
| :---: | :---: | :---: |
| 3.OA. 5 <br> Apply properties of operations as strategies to multiply and divide. <br> Examples: <br> If $6 \times 4=24$ is known, then $4 \times 6=24$ is also known. <br> (Commutative property of multiplication.) <br> $3 \times 5 \times 2$ can be found by $3 \times 5=15$, then $15 \times 2=30$, or by $5 \times$ $2=10$, then $3 \times 10=30$. (Associative property of multiplication.) <br> Knowing that $8 \times 5=40$ and $8 \times 2=16$, one can find $8 \times 7$ as $8 \times$ $(5+2)=(8 \times 5)+(8 \times 2)=40+16=56$. (Distributive property.) | Introduction to <br> Mathematical Properties | What is the <br> Commutative Property? <br> What is the Distributive Property? <br> What is the Associative Property? |
| 3.OA. 6 <br> Understand division as an unknown-factor problem. For example, find $32 \div 8$ by finding the number that makes 32 when multiplied by 8 . | Operations with Whole Numbers | Connecting <br> Multiplication to Division |
| 3.OA. 7 <br> Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5=40$, one knows $40 \div 5=8$ ) or properties of operations. Know from memory all products of two one-digit numbers. | Operations with Whole Numbers | How to Multiply Whole Numbers <br> Connecting <br> Multiplication to Division <br> How to Divide Whole Numbers |
|  | Introduction to Problem Solving and Reasoning | What Are Arithmetic Patterns? |
| 3.OA. 8 <br> Solve two-step word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding. <br> This standard is limited to problems posed with whole numbers having whole-number answers; students should know how to perform operations in the conventional order when there are no parentheses to specify a particular order (Order of Operations). | Operations with Whole Numbers | Rounding and Estimating with Whole Numbers |
|  | Introduction to Problem Solving and Reasoning | Eliminating Extra Information in Word Problems <br> Solving Word Problems |


| 3.OA.9 | Introduction to Problem | What Are Arithmetic |
| :--- | :--- | :--- |
| Identify arithmetic patterns (including patterns in the addition | Solving and Reasoning | Patterns? |
| table or multiplication table), and explain them using properties |  |  |
| of operations. For example, observe that 4 times a number is |  |  |
| always even, and explain why 4 times a number can be |  |  |
| decomposed into two equal addends. |  |  |

GEOMETRY 10\%

| Standard | Aztec's Fundamentals Unit | Aztec's Fundamentals Lesson |
| :---: | :---: | :---: |
| 2.G. 1 <br> Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. <br> Sizes are compared directly or visually, not compared by measuring. | Introduction to Geometry | Working With Plane Figures |
|  |  | What Are Solid Figures? |
| 3.G. 1 <br> Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories. | Introduction to Geometry | Working With Plane Figures |
| 3.G. 2 <br> Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole. For example, partition a shape into 4 parts with equal area, and describe the area of each part as $1 / 4$ of the area of the shape. | Introduction to Geometry | Working With Plane Figures |
| 2.G. 3 <br> Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape. | Introduction to Geometry | Working With Plane Figures |

## MEASUREMENT AND DATA 28\%

| Standard | Aztec's Fundamentals |
| :--- | :--- | :--- |
| Unit | Aztec's Fundamentals |
| Lesson |  |$|$| 3.MD.1 |  |
| :--- | :--- |
| Tell and write time to the nearest minute and measure time Time |  |
| intervals in minutes. Solve word problems involving addition |  |
| and subtraction of time intervals in minutes, e.g., by |  |
| representing the problem on a number line diagram. | Measurement |


| Standard | Introduction to Data Analysis | What Are Line Plots? |
| :---: | :---: | :---: |
| 3.MD. 5 <br> Recognize area as an attribute of plane figures and understand concepts of area measurement. |  |  |
| 3.MD.5.b <br> A plane figure which can be covered without gaps or overlaps by $n$ unit squares is said to have an area of $n$ square units. | Introduction to Measurement | What is Area? |
| 2.MD. 6 <br> Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers $0,1,2, \ldots$, and represent whole-number sums and differences within 100 on a number line diagram. | Introduction to Measurement | Measuring Length and Distance |
| 3.MD. 7 <br> Relate area to the operations of multiplication and addition. |  |  |


| 3.MD.7a <br> Find the area of a rectangle with whole-number side lengths by tiling it, and show that the area is the same as would be found by multiplying the side lengths. () | Introduction to Measurement | What is Area? |
| :---: | :---: | :---: |
| 3.MD.7b <br> Multiply side lengths to find areas of rectangles with wholenumber side lengths in the context of solving real world and mathematical problems, and represent whole-number products as rectangular areas in mathematical reasoning. | Introduction to Measurement | What is Area? <br> Connecting Perimeter to Area |
| 3.MD.7c <br> Use tiling to show in a concrete case that the area of a rectangle with whole-number side lengths $a$ and $b+c$ is the sum of $a \times b$ and $a \times c$. Use area models to represent the distributive property in mathematical reasoning. | Introduction to <br> Mathematical Properties <br> Introduction to <br> Measurement | What is the Distributive Property? <br> What is Area? |
| 3.MD.7d <br> Recognize area as additive. Find areas of rectilinear figures by decomposing them into non-overlapping rectangles and adding the areas of the non-overlapping parts, applying this technique to solve real world problems | Introduction to Measurement | What is Area? |
| 3.MD. 8 <br> Solve real world and mathematical problems involving perimeters of polygons, including finding the perimeter given the side lengths, finding an unknown side length, and exhibiting rectangles with the same perimeter and different areas or with | Introduction to Measurement | Connecting Perimeter to Area |


| the same area and different perimeters. |  |  |
| :--- | :--- | :--- |
| 2.MD.10 <br> Draw a picture graph and a bar graph (with single-unit scale) to <br> represent a data set with up to four categories. Solve simple <br> put-together, take-apart, and compare problems using <br> information presented in a bar graph. | Androduction to Data | What Are Tables and |
| Graphs? |  |  |

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## TABE 11 \& 12 READING

## Key Ideas and Details (47\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :--- | :--- | :--- |
| 4.RL.1 <br> Refer to details and examples in a text when explaining what <br> the text says explicitly and when drawing inferences from the <br> text. | Becoming a Good Reader | Stories About <br> Social Media |
| 4.RI.1 <br> Refer to details and examples in a text when explaining what <br> the text says explicitly and when drawing inferences from the <br> text. | Becoming a Good Reader | Stories About <br> Holidays |
| 5.RL. <br> Quote accurately from a text when explaining what the text <br> says explicitly and when drawing inferences from the text. | Becoming a Good Reader |  |
| Cars |  |  |

## Craft and Structure (42\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :--- | :--- | :--- |
| 5.RL.4 <br> Determine the meaning of words and phrases as they are <br> used in a text, including figurative language such as <br> metaphors and similes. | Learning New Words | Abstract Words |
| 5.RI.4 <br> Determine the meaning of general academic and domain <br> specific words and phrases in a text relevant to a topic or <br> subject area. | Learning New Words | Formal Words Stories |
| 4.RI.5 <br> Describe the overall structure (e.g., chronology, comparison, <br> cause/effect, problem/solution) of events, ideas, concepts, or <br> information in a text or part of a text. | Looking at Stories | Figurative <br> Language |
| 5.RI.5 <br> Compare and contrast the overall structure (e.g., chronology, <br> comparison, cause/effect, problem/solution) of events, ideas, <br> concepts, or information in two or more texts. | Looking at Stories | Structure of |
| S.RL.6 | Structure of <br> Stories |  |
| Describe how a narrator's or speaker's point of view <br> influences how events are described. | Looking at Stories | Point of View |
| 5.RI.6 <br> Analyze multiple accounts of the same event or topic, noting <br> important similarities and differences in the point of view <br> they represent. | Looking at Stories | Point of View |

## Integration of Knowledge and Ideas (11\%)

\(\left.$$
\begin{array}{|l|l|l|}\hline \text { Standard } & \text { Aztec's Foundations Unit } & \begin{array}{l}\text { Aztec's } \\
\text { Foundations } \\
\text { Lesson }\end{array} \\
\hline \begin{array}{l}\text { 4.RI.7 } \\
\text { Interpret information presented visually, orally, or } \\
\text { quantitatively (e.g., in charts, graphs, diagrams, time lines, } \\
\text { animations, or interactive elements on Web pages) and } \\
\text { explain how the information contributes to an understanding } \\
\text { of the text in which it appears. }\end{array} & \begin{array}{l}\text { Reading in Diverse Media } \\
\text { Formats } \\
\text { Read }\end{array} & \begin{array}{l}\text { Reading Graphics } \\
\text { to Get }\end{array}
$$ <br>

\hline Information\end{array}\right\}\)| Understanding |
| :--- |
| Technology |

## TABE 11 \& 12 LANGUAGE

## Conventions of Standard English (44\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :--- | :--- | :--- |

## 4.L. 1

Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

| 4.L.1.a <br> Use relative pronouns (who, whose, whom, which, that) and <br> relative adverbs (where, when, why). | Grammar and Usage | Using Pronouns |
| :--- | :--- | :--- |
| 4.L.1.b <br> Form and use the progressive (e.g., I was walking; I am <br> walking; I will be walking) verb tenses. | Grammar and Usage | Using Adjectives <br> and Adverbs |
| 4.L.1.c <br> Use modal auxiliaries (e.g., can, may, must) to convey <br> various conditions. | Grammar and Usage | Using Verbs |
| 4.L.1.d <br> Order adjectives within sentences according to conventional <br> patterns (e.g., a small red bag rather than a red small bag). | Grammar and Usage | Using Verbs |
| 4.L.1.e <br> Form and use prepositional phrases. | More about <br> Adjectives and <br> Adverbs |  |
| 4.L.1.g <br> Correctly use frequently confused words (e.g., to, too, two; <br> there, their). | Grammar and Usage | Using <br> Conjunctions, <br> Prepositions, and <br> Interjections |
| 4.L.1.f <br> Produce complete sentences, recognizing and correcting <br> inappropriate fragments and run-ons. | Sentence Skills | Grequently <br> Confused Words |
| Good Sentence |  |  |


| 5.L. 1 <br> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. |  |  |
| :---: | :---: | :---: |
| 5.L.1.a <br> Explain the function of conjunctions, prepositions, and interjections in general and their function in particular sentences. | Grammar and Usage | Using <br> Conjunctions, Prepositions, and Interjections |
| 5.L.1.b <br> Form and use the perfect (e.g., I had walked; I have walked; I will have walked) verb tenses. | Grammar and Usage | Using Verbs |
| 5.L.1.c <br> Use verb tense to convey various times, sequences, states, and conditions. | Grammar and Usage | Using Verbs |
| 5.L.1.d <br> Recognize and correct inappropriate shifts in verb tense. | Grammar and Usage | Using Verbs |
| 5.L.1.e <br> Use correlative conjunctions (e.g., either/or, neither/nor). | Grammar and Usage | Using <br> Conjunctions, Prepositions, and Interjections |
| 4.L. 2 <br> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. |  |  |
| 4.L.2.a <br> Use correct capitalization. | Capitalization, Punctuation, and Spelling | Using Capital Letters |
| 4.L.2.b <br> Use commas and quotation marks to mark direct speech and quotations from a text. | Capitalization, Punctuation, and Spelling | Using Commas |
| 4.L.2.c <br> Use a comma before a coordinating conjunction in a compound sentence. | Capitalization, Punctuation, and Spelling | Using Commas |
| 4.L.2.d <br> Spell grade-appropriate words correctly, consulting references as needed. | Capitalization, Punctuation, and Spelling | Spelling-Trouble Words |

## 5.L. 2

Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

| 5.L.2.a <br> Use punctuation to separate items in a series. | Capitalization, Punctuation, <br> and Spelling | Using Commas |
| :--- | :--- | :--- |
| 5.L.2.b <br> Use a comma to separate an introductory element from the <br> rest of the sentence. | Capitalization, Punctuation, <br> and Spelling | Using Commas |
| 5.L.2.c <br> Use a comma to set off the words yes and no (e.g., Yes, <br> thank you), to set off a tag question from the rest of the <br> sentence (e.g., It's true, isn't it?), and to indicate direct <br> address (e.g., Is that you, Steve?). | Capitalization, Punctuation, <br> and Spelling | Using Commas |
| 5.L.2.d <br> Use underlining, quotation marks, or italics to indicate titles <br> of works. | Capitalization, Punctuation, <br> and Spelling | Using Capital <br> Letters |
| 5.L.2.e <br> Spell grade-appropriate words correctly, consulting <br> references as needed. | Capitalization, Punctuation, <br> and Spelling | Spelling-Trouble <br> Words |

## Knowledge of Language (5\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 5.L.3 <br> Use knowledge of language and its conventions when writing, speaking, reading, or listening. |  |  |
| 5.L.3.a <br> Expand, combine, and reduce sentences for meaning, <br> reader/listener interest, and style. | Sentence Skills | Using Compound <br> Sentence Parts <br> and Modifiers |

## Vocabulary Acquisition and Use (26\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :--- | :--- | :--- |

## 4.L. 4

Determine or clarify the meaning of unknown and multiple-meaning words and phrases, choosing flexibly from an array of strategies.

| 4.L.4.a <br> Use context (e.g., definitions, examples, or restatements in <br> text) as a clue to the meaning of a word or phrase. | Grammar and Usage | Using Your <br> Grammar Skills |
| :--- | :--- | :--- |
| 4.L.4.b <br> Use common, grade appropriate Greek and Latin affixes and <br> roots as clues to the meaning of a word (e.g., telegraph, <br> autograph, photograph). | Grammar and Usage | Using Your <br> Grammar Skills |
| 4.L.4.c <br> Consult reference materials (e.g., dictionaries, glossaries, <br> thesauruses), both print and digital, to find the <br> pronunciation and determine or clarify the precise meaning <br> of key words and phrases. |  |  |
| 4.L.6 <br> Acquire and use accurately grade-appropriate general <br> academic and domain-specific words and phrases, including <br> those that signal precise actions, emotions, or states of <br> being (e.g., quizzed, whined, stammered) and that are basic <br> to a particular topic (e.g., wildlife, conservation, and <br> endangered when discussing animal preservation). | Reading in Diverse Media | Using <br> Dictionaries in <br> Wrmats |
| 5.L.6 <br> Acquire and use accurately grade-appropriate general <br> academic and domain-specific words and phrases, including <br> those that signal contrast, addition, and other logical <br> relationships (e.g., however, although, nevertheless, <br> similarly, moreover, in addition). |  | Words |


| Text Types and Purposes (25\%) |  |  |
| :---: | :---: | :---: |
| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations Lesson |
| 5.W. 1 <br> Write opinion pieces on topics or texts, supporting a point of view with reasons and information. |  |  |
| 5.W.1.a <br> Introduce a topic or text clearly, state an opinion, and create an organizational structure in which ideas are logically grouped to support the writer's purpose. | Paragraph Skills | Developing Paragraphs with Facts, Figures, and Reasons |
| 5.W.1.b <br> Provide logically ordered reasons that are supported by facts and details. | Paragraph Skills | Developing <br> Paragraphs with Facts, Figures, and Reasons |
| 5.W.1.c <br> Link opinion and reasons using words, phrases, and clauses (e.g., consequently, specifically). | Paragraph Skills | Developing <br> Paragraphs with Facts, Figures, and Reasons |
| 5.W.1.d <br> Provide a concluding statement or section related to the opinion presented. | Paragraph Skills | Developing <br> Paragraphs with Facts, Figures, and Reasons |
| 4.W. 2 <br> Write informative/explanatory texts to examine a topic and convey ideas and information clearly. |  |  |
| 4.W.2.a <br> Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension. | Paragraph Skills | Developing Paragraphs with Details and Examples |
| 4.W.2.b | Paragraph Skills | Developing <br> Paragraphs |


| Develop the topic with facts, definitions, concrete details, <br> quotations, or other information and examples related to <br> the topic. |  | with Details <br> and Examples |
| :--- | :--- | :--- |
| 4.W.2.c <br> Link ideas within categories of information using words and <br> phrases (e.g., another, for example, also, because). | Paragraph Skills | Developing <br> Paragraphs <br> with Details <br> and Examples |
| 4.W.2.d <br> Use precise language and domain-specific vocabulary to <br> inform about or explain the topic. | Paragraph Skills | Developing <br> Paragraphs <br> with Details <br> and Examples |
| 4.W.2.e <br> Provide a concluding statement or section related to the <br> information or explanation presented. | Paragraph Skills | Developing <br> Paragraphs <br> with Details <br> and Examples |

## TABE 11 \& 12 MATHEMATICS

| Numbers and Operations in Base Ten (15\%) |  |  |
| :---: | :---: | :---: |
| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations Lesson |
| 4.NBT. 1 <br> Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. For example, recognize that $700 \div 70=10$ by applying concepts of place value and division. | Numbers and Counting | The Meaning of Place Value <br> Understanding Place Value |
| 4.NBT. 3 <br> Use place value understanding to round multi-digit whole numbers to any place. | Numbers and Counting | The Meaning of Place Value Understanding Place Value |
| 5.NBT. 3 <br> Read, write, and compare decimals to thousandths. |  |  |
| 5.NBT.3a <br> Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g., 347.392 $=3 \times 100+4 \times 10+7 \times 1+3 \times\left(\frac{1}{10}\right)+9 \times\left(\frac{1}{100}\right)+2 \times\left(\frac{1}{1000}\right)$. | Numbers and Counting | The Meaning of Place Value |
| 5.NBT.3b <br> Compare two decimals to thousandths based on meanings of the digits in each place, using >, $=$, and < symbols to record the results of comparisons. | Using Decimals | Comparing Decimals |
| 4.NBT. 4 <br> Fluently add and subtract multi-digit whole numbers using the standard algorithm. | Addition with Whole Numbers | Basic Addition of Whole Numbers with Carry Over Part 1 Basic Addition of Whole Numbers with Carry Over Part 2 |
|  | Subtraction with Whole Numbers | Basic <br> Subtraction of Whole <br> Numbers with Borrowing Part 1 |


|  |  | Basic <br> Subtraction of Whole Numbers with Borrowing Part 2 |
| :---: | :---: | :---: |
|  |  | Basic <br> Subtraction of Whole Numbers with Borrowing Part 3 |


| 5.NBT.4 <br> Use place value understanding to round decimals to any <br> place. | Using Decimals | Rounding <br> Decimals (in <br> progress) |
| :--- | :--- | :--- |
| 4.NBT.5 <br> Multiply a whole number of up to four digits by a one-digit <br> whole number, and multiply two two-digit numbers, using <br> strategies based on place value and the properties of <br> operations. Illustrate and explain the calculation by using <br> equations, rectangular arrays, and/or area models. | Multiplication with Whole <br> Numbers | Basic <br> Multiplication of <br> Whole Numbers |

## Number and Operations - Fractions (20\%) <br> Note: Fractions are limited to denominators of 2, 3, 4, 5, 6, 8, 10, 12, and 100.

| Standard | Aztec's Foundations Unit | Aztec's |
| :--- | :--- | :--- |
|  | Foundations |  |
| Lesson |  |  |


| 4.NF.3.d <br> Solve word problems involving addition and subtraction of <br> fractions referring to the same whole and having like <br> denominators, e.g., by using visual fraction models and <br> equations to represent the problem. | Adding and <br> Subtracting |
| :--- | :--- | :--- |
|  | Fractions <br> Fame |


| 4.NF.4.c <br> Solve word problems involving multiplication of a fraction by a whole number, e.g., by using visual fraction models and equations to represent the problem. For example, if each person at a party will eat $\frac{3}{8}$ of a pound of roast beef, and there will be 5 people at the party, how many pounds of roast beef will be needed? Between what two whole numbers does your answer lie? | Using Fractions | Multiplying <br> Fractions |
| :---: | :---: | :---: |
| 5.NF. 4 <br> Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction. | Using Fractions | Multiplying Two or More Fractions (in progress) |
| 5.NF. 5 <br> Interpret multiplication as scaling (resizing), by: |  |  |
| 5.NF.5.b <br> Explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number (recognizing multiplication by whole numbers greater than 1 as a familiar case); explaining why multiplying a given number by a fraction less than 1 results in a product smaller than the given number; and relating the principle of fraction equivalence $\frac{a}{b}=\frac{(n \times a)}{(n \times b)}$ to the effect of multiplying $\frac{a}{b}$ by 1. | Using Fractions | Multiplying Two or More Fractions (in progress) |
| 5.NF. 6 <br> Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem. | Using Fractions | Multiplying Two or More Fractions (in progress) |
| 4.NF. 7 <br> Compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when the two decimals refer to the same whole. Record the results of comparisons with the symbols $>$, $=$, or $«$, and justify the conclusions, e.g., by using a visual model. | Using Decimals | Comparing Decimals |
| 5.NF. 7 <br> Apply and extend previous understandings of division to divid numbers by unit fractions. | unit fractions by | s and whole |
| 5.NF.7.a <br> Interpret division of a unit fraction by a non-zero whole number, and compute such quotients. For example, create a story context for $\left(\frac{1}{3}\right) \div 4$, and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that $\left(\frac{1}{3}\right) \div 4=\frac{1}{12}$ because $\left(\frac{1}{12}\right) \times 4=\frac{1}{3}$. | Using Fractions | Dividing Fractions |


| 5.NF.7.b | Using Fractions | Dividing Fractions |
| :--- | :--- | :--- |
| Interpret division of a whole number by a unit fraction, and |  |  |
| compute such quotients. For example, create a story context |  |  |
| for $4 \div\left(\frac{1}{5}\right)$, and use a visual fraction model to show the |  |  |
| quotient. Use the relationship between multiplication and |  |  |
| division to explain that $4 \div\left(\frac{1}{5}\right)=20$ because $20 \times\left(\frac{1}{5}\right)=4$. |  |  |
| 5.NF.7.c |  |  |
| Solve real world problems involving division of unit fractions <br> by non-zero whole numbers and division of whole numbers <br> by unit fractions, e.g., by using visual fraction models and <br> equations to represent the problem. For example, how much <br> chocolate will each person get if 3 people share $\frac{1}{2}$ lb. of <br> chocolate equally? How many $\frac{1}{3}$-cup servings are in 2 cups of |  |  |
| raisins? |  |  |

## The Number System (5\%)

| Standard | Aztec's Foundations Unit | Aztec's |
| :--- | :--- | :--- | | Foundations |
| :--- |
| Lesson |

Ratios and Proportional Reasoning (3\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :--- | :--- | :--- |
| 6.RP. 2 <br> Understand the concept of a unit rate $\frac{a}{b}$ associated with a <br> ratio a:b with b $\neq 0$, and use rate language in the context of a <br> ratio relationship. For example, "This recipe has a ratio of 3 <br> cups of flour to 4 cups of sugar, so there is $\frac{3}{4}$ cup of flour for <br> each cup of sugar." "We paid \$75 for 15 hamburgers, which <br> is a rate of $\$ 5$ per hamburger." | Introduction to Ratios and <br> Proportions | Understanding <br> Unit Rates (in <br> progress) |

## Operations and Algebraic Thinking (12\%)

| Standard | Aztec's Foundations Unit | Aztec's |
| :--- | :--- | :--- |
| Foundations |  |  |
| Lesson |  |  |

## Expressions and Equations (15\%)

| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| :---: | :---: | :---: |
| 6.EE. 6 <br> Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set. | Preparing for Algebra | Writing Basic Equations |
| 6.EE. 7 <br> Solve real-world and mathematical problems by writing and solving equations of the form $x+p=q$ and $p x=q$ for cases in which $p, q$ and $x$ are all nonnegative rational numbers. | Preparing for Algebra | Writing Basic Equations |
| 6.EE. 8 <br> Write an inequality of the form $\mathrm{x}>\mathrm{c}$ or $\mathrm{x}<\mathrm{c}$ to represent a constraint or condition in a real-world or mathematical problem. Recognize that inequalities of the form $\mathrm{x}>\mathrm{c}$ or $\mathrm{x}<\mathrm{c}$ have infinitely many solutions; represent solutions of such inequalities on number line diagrams. | Preparing for Algebra | Writing Basic Equations |
| 6.EE.2.a <br> Write expressions that record operations with numbers and with letters standing for numbers. For example, express the calculation "Subtract y from 5" as $5-y$ | Preparing for Algebra | Writing Basic Equations |
| 6.EE.2.b <br> Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity. For example, describe the expression $2(8+7)$ as a product of two factors; view $(8+7)$ as both a single entity and a sum of two terms. | Preparing for Algebra | Writing Basic Equations |
| 6.EE.2.c <br> Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in realworld problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations). For example, use the formulas $V=s^{3}$ and $A=6 s^{2}$ to find the volume and surface area of a cube with sides of length $s=\frac{1}{2}$. | Preparing for Algebra | Writing Basic Equations |
| 6.EE. 3 <br> Apply the properties of operations to generate equivalent expressions. For example, apply the distributive property to the expression $3(2+x)$ to produce the equivalent expression | Preparing for Algebra | Writing Basic Equations |


| $6+3 x ;$ apply the distributive property to the expression $24 x+$ <br> $18 y$ to produce the equivalent expression $6(4 x+3 y) ;$ apply <br> properties of operations to $y+y+y$ to produce the <br> equivalent expression $3 y$. |  |  |
| :--- | :--- | :--- |
| 6.EE.4 <br> Identify when two expressions are equivalent (i.e., when the <br> two expressions name the same number regardless of which <br> value is substituted into them). For example, the expressions <br> y + y + y and 3y are equivalent because they name the same <br> number regardless of which number y stands for. |  | Preparing for Algebra |
| 6.EE.5 <br> Understand solving an equation or inequality as a process of <br> answering a question: which values from a specified set, if <br> any, make the equation or inequality true? Use substitution <br> to determine whether a given number in a specified set <br> makes an equation or inequality true. |  | Equations |
| 6.EE. 6 <br> Use variables to represent numbers and write expressions <br> when solving a real-world or mathematical problem; <br> understand that a variable can represent an unknown <br> number, or, depending on the purpose at hand, any number <br> in a specified set. | Preparing for Algebra |  |


| Geometry (10\%) |  |  |
| :---: | :---: | :---: |
| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| 4.G. 1 <br> Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures. | Math with Geometry | Lines |
| 5.G. 1 <br> Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates. Understand that the first number indicates how far to travel from the origin in the direction of one axis, and the second number indicates how far to travel in the direction of the second axis, with the convention that the names of the two axes and the coordinates correspond (e.g., $x$-axis and $x$-coordinate, $y$-axis and y -coordinate). | Math with Geometry | Lines |
| 5.G. 3 <br> Understand that attributes belonging to a category of twodimensional figures also belong to all subcategories of that category. For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles. | Math with Geometry | Two Dimensional Figures (in progress) |
| 6.G. 4 <br> Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems. | Math with Geometry | Nets of ThreeDimensional Figures (in progress) |


| Measurement and Data (15\%) <br> Standard | Aztec's Foundations Unit | Aztec's |
| :--- | :--- | :--- |
|  |  | Foundations |
| Lesson |  |  |


| 5.MD.5.b <br> Apply the formulas $V=I \times w \times h$ and $V=b \times h$ for rectangular <br> prisms to find volumes of right rectangular prisms with <br> whole-number edge lengths in the context of solving real <br> world and mathematical problems. | Math with Measurement | Figures and <br> Volume |
| :--- | :--- | :--- |
| 5.MD.5.c <br> Recognize volume as additive. Find volumes of solid figures <br> composed of two non-overlapping right rectangular prisms <br> by adding the volumes of the non-overlapping parts, applying <br> this technique to solve real world problems. | Math with Measurement | Figures and |
| 4.MD.6 <br> Measure angles in whole-number degrees using a protractor. <br> Sketch angles of specified measure. | Math with Geometry | Angles and |
| 4.MD. 7 <br> Recognize angle measure as additive. When an angle is <br> decomposed into non-overlapping parts, the angle measure <br> of the whole is the sum of the angle measures of the parts. <br> Solve addition and subtraction problems to find unknown <br> angles on a diagram in real world and mathematical <br> problems, e.g., by using an equation with a symbol for the <br> unknown angle measure. | Math with Geometry | Measurement |


| Statistics and Probability (5\%) |  |  |
| :--- | :--- | :--- |
| Standard | Aztec's Foundations Unit | Aztec's <br> Foundations <br> Lesson |
| 6.SP.1 <br> Recognize a statistical question as one that anticipates <br> variability in the data related to the question and accounts <br> for it in the answers. For example, "How old am I?" is not a <br> statistical question, but "How old are the students in my <br> school?" is a statistical question because one anticipates <br> variability in students' ages. | Data Analysis | Reading and <br> Creating Graphs <br> and Charts |
| 6.SP.2 <br> Understand that a set of data collected to answer a statistical <br> question has a distribution which can be described by its <br> center, spread, and overall shape. | Data Analysis |  |
| 6.SP.4 <br> Display numerical data in plots on a number line, including <br> dot plots, histograms, and box plots. | Data Analysis | Reading and <br> Creating Graphs <br> and Charts |

## Aztec's Fundamentals Series: Correlation to TABE 11 \& 12 Level D

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TABE 11 \& 12 READING

## Key Ideas and Details (47\%)

| Standard | Aztec Pre-HSE Unit | Aztec Pre-HSE |
| :--- | :--- | :--- |
| Lesson |  |  |

## Craft and Structure (38\%)

| Standard | Aztec Pre-HSE Unit | Aztec Pre-HSE Lesson |
| :---: | :---: | :---: |
| 6.RL. 4 <br> Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of a specific word choice on meaning and tone. | Specific Reading Skills | Reading Literature |
| 6.RI. 4 <br> Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of a specific word choice on meaning and tone. | Specific Reading Skills | Reading <br> Historical <br> Documents |
|  | Specific Reading Skills | Reading <br> Nonfiction |
| 6.RL. 5 <br> Analyze how a particular sentence, paragraph, chapter, or section fits into the overall structure of a text and contributes to the development of the ideas. | Specific Reading Skills | Reading Literature |
| 7.RI. 5 <br> Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to the development of the ideas. | Specific Reading Skills | Reading <br> Nonfiction |
| 8.RI. 6 <br> Determine an author's point of view or purpose in a text and analyze how the author acknowledges and responds to conflicting evidence or viewpoints. | Specific Reading Skills | Reading <br> Nonfiction |
| $\text { 6-8.RH. } 6$ <br> Identify aspects of a text that reveal an author's point of view or purpose (e.g., loaded language, inclusion or avoidance of particular facts). | Specific Reading Skills | Reading <br> Historical <br> Documents |

Integration of Knowledge and Ideas (15\%)

| Standard | Aztec Pre-HSE Unit | Aztec Pre-HSE <br> Lesson |
| :--- | :--- | :--- |
| 6.RI.7 <br> Integrate information presented in different media or formats (e.g., <br> in charts, graphs, photographs, videos, or maps) as well as in words <br> to develop a coherent understanding of a topic or issue. | Gathering Information | Reading <br> Graphical <br> Information |
| 6-8.RST.7 <br> Integrate quantitative or technical information expressed in words in <br> a text with a version of that information expressed visually (e.g., in a <br> flowchart, diagram, model, graph, or table). | Gathering Information | Understanding <br> Graphs |
| Reading <br> Graphical |  |  |
| 8.RI.8 <br> Delineate and evaluate the argument and specific claims in a text, <br> assessing whether the reasoning is sound and the evidence is relevant <br> and sufficient; recognize when irrelevant evidence is introduced. | General Reading Skills | Understanding <br> Graphs |

## TABE 11 \& 12 LANGUAGE

## Conventions of Standard English (44\%)

\(\left.\begin{array}{|l|l|l|}\hline Standard \& Aztec Pre-HSE Unit \& Aztec Pre-HSE <br>

Lesson\end{array}\right]\)| 6.L.1 |
| :--- |
| Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. |
| 6.L.1.a <br> Ensure that pronouns are in the proper case (subjective, objective, <br> possessive). |
| 6.L.1.b <br> Use intensive pronouns. (e.g., myself, ourselves). |
| 6.L.1.c <br> Recognize and correct inappropriate shifts in pronoun number and <br> person. |
| Language Mechanics | Pronouns | Pronouns |
| :--- |
| 6.L.1.d <br> Recognize and correct vague or unclear pronouns. |
| 6.L.1.e <br> Recognize variations from standard English in their own and others' <br> writing and speaking, and identify and use strategies to improve <br> expression in conventional language. |
| Language Mechanics |

7.L. 1

Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

| 7.L.1.a <br> Explain the function of phrases and clauses in general and their function in specific sentences. | Language Mechanics | Common Writing Issues |
| :---: | :---: | :---: |
| 7.L.1.b <br> Choose among simple, compound, complex, and compound-complex sentences to signal differing relationships among ideas. | Language Mechanics | Capitalization and Punctuation |
|  |  | Common Writing Issues |
| 7.L.1.c | Language Mechanics | Common Writing |


| Place phrases and clauses within a sentence, recognizing and correcting misplaced and dangling modifiers. |  | Issues |
| :---: | :---: | :---: |
| 8.L. 1 <br> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. |  |  |
| 8.L.1.a <br> Explain the function of verbals (gerunds, participles, infinitives) in general and their function in particular sentences. | Language Mechanics | Nouns and Verbs Common Writing Issues |
| 8.L.1.b <br> Form and use verbs in the active and passive voice. | Language Mechanics | Nouns and Verbs |
|  | Writing Skills | Style and <br> Structure |
| 8.L.1.c <br> Form and use verbs in the indicative, imperative, interrogative, conditional, and subjunctive mood. | Language Mechanics | Nouns and Verbs |
| 8.L.1.d <br> Recognize and correct inappropriate shifts in verb voice and mood. | Language Mechanics | Nouns and Verbs |
|  | Writing Skills | Style and Structure |
| $6 . L .2$ <br> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing. |  |  |
| 6.L.2.a <br> Use punctuation (commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements. | Language Mechanics | Adjectives, <br> Adverbs, and <br> Other Parts of Speech |
| 6.L.2.b <br> Spell correctly. | Language Mechanics | IE - EI Words |
|  |  | Problem Words |

7.L. 2

Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

| 7.L.2.a |
| :--- | :--- | :--- |
| Use a comma to separate coordinate adjectives (e.g., It was a |
| fascinating, enjoyable movie but not He wore an old[,] green shirt). |$\quad$ Language Mechanics | Adjectives, |
| :--- |

## 8.L. 2

Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

| 8.L.2.a <br> Use punctuation (commas, ellipsis, dashes) to set off <br> nonrestrictive/parenthetical elements. | Language Mechanics | Capitalization <br> and Punctuation |
| :--- | :--- | :--- |
| 8.L.2.b <br> Use an ellipsis to indicate an omission. | Language Mechanics | Capitalization <br> and Punctuation |
| 8.L.2.c <br> Spell correctly. |  | IE - EI Words |

## Knowledge of Language (10\%)

| Standard | Aztec Pre-HSE Unit | Aztec Pre-HSE <br> Lesson |
| :--- | :--- | :--- |

6.L. 3

Use knowledge of language and its conventions when writing, speaking, reading, or listening.

| 6.L.3.a <br> Vary sentence patterns for meaning, reader/listener interest, and <br> style. | Writing Skills | Writing an Essay |
| :--- | :--- | :--- |
| 6.L.3.b <br> Maintain consistency in style and tone. | Writing Skills | Style and <br> Structure |
|  |  | Writing an Essay |

7.L. 3

Use knowledge of language and its conventions when writing, speaking, reading, or listening.

| 7.L.3.a <br> Choose language that expresses ideas precisely and concisely, <br> recognizing and eliminating wordiness and redundancy. | Writing Skills | Language <br> Selection |
| :--- | :--- | :--- |


| Vocabulary Acquisition and Use (23\%) | Aztec Pre-HSE Unit | Aztec Pre-HSE |
| :--- | :--- | :--- |
| Lesson |  |  |$|$| Standard |  | Spelling and |
| :--- | :--- | :--- |
| 6.L.4 <br> Determine or clarify the meaning of unknown and multiple-meaning words and phrases, choosing flexibly from an <br> array of strategies. |  |  |
| 6.L.4.a <br> Use context (e.g., the overall meaning of a sentence or paragraph; a <br> word's position or function in a sentence) as a clue to the meaning <br> of a word or phrase. | Vocabulary | Using Context <br> Clues to Define |
| Words |  |  |
| 6.L.4.b <br> Use common, grade- appropriate Greek or Latin affixes and roots as <br> clues to the meaning of a word (e.g., audience, auditory, audible). | Spelling and <br> Vocabulary | Using Context <br> Clues to Define <br> Words |
| 6.L.4.c <br> Consult reference materials (e.g., dictionaries, glossaries, <br> thesauruses), both print and digital, to find the pronunciation of a <br> word or determine or clarify its precise meaning or its part of <br> speech. | General Reading skills | Reading <br> Literature |
| Gathering Information | Using Reference <br> Resources |  |
| 6.L.4.d <br> Verify the preliminary determination of the meaning of a word or <br> phrase (e.g., by checking the inferred meaning in context or in a <br> dictionary). | Spelling and <br> Vocabulary | Using Context <br> Clues to Define <br> Words |
| 8.L.6 <br> Acquire and use accurately level-appropriate general academic and <br> domain-specific words and phrases; gather vocabulary knowledge <br> when considering a word or phrase important to comprehension or <br> expression. | Spelling and <br> Vocabulary | Words to Know: <br> Language Arts |


|  |  | Words to Know: <br> Social Studies |
| :--- | :--- | :--- |
|  |  | Words to Know: <br> Science |

## Text Types and Purposes (23\%)

| Standard | Aztec Pre-HSE Unit | Aztec Pre-HSE <br> Lesson |
| :--- | :--- | :--- |

7.W. 1

Write arguments to support claims with clear reasons and relevant evidence.

| 7.W.1.a <br> Introduce claim(s), acknowledge alternate or opposing claims, and <br> organize the reasons and evidence logically. | Writing Skills |  |
| :--- | :--- | :--- |

## 6-8.WHST. 2

Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content. [This includes the narration of historical events, scientific procedures/experiments, or technical processes.]

| 6-8.WHST.2.a <br> Introduce a topic clearly, previewing what is to follow; organize <br> ideas, concepts, and information, using strategies such as definition, <br> classification, comparison/contrast, and cause/effect; include <br> formatting (e.g., headings), graphics (e.g., charts, tables), and <br> multimedia when useful to aiding comprehension. | Writing Skills | Writing Logical |
| :--- | :--- | :--- |
| Arguments |  |  |


|  |  | Words to Know: <br> Science |
| :--- | :--- | :--- |
| 6-8.WHST.2.e <br> Provide a concluding statement or section that follows from and <br> supports the information or explanation presented. | Words to Know: <br> Math |  |

## TABE 11 \& 12 MATHEMATICS

## The Number System (21\%)

| Standard |
| :--- |
| 6.NS. 5 |
| Understand that positive and negative numbers are used |
| together to describe quantities having opposite |
| directions or values (e.g., temperature above/below |
| zero, elevation above/below sea level, credits/debits, |
| positive/negative electric charge); use positive and |
| negative numbers to represent quantities in real-world |
| contexts, explaining the meaning of 0 in each situation. |
| 6.NS. 6 |


| Aztec Pre-HSE <br> Unit | Aztec Pre-HSE <br> Lesson |
| :--- | :--- |
| Positive and <br> Negative <br> Numbers | Using Positive and <br> Negative Integers |
|  | Problem Solving <br> with Positive and <br> Negative Numbers |

Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.
6.NS.6.a

Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3)=3$, and that 0 is its own opposite.
6.NS.6.b

Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.
6.NS.6.c

Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

| Positive and <br> Negative <br> Numbers | Ordering of <br> Decimals, Fractions, <br> and Signed <br> Numbers |
| :--- | :--- |
| Functions and <br> Graphs | Coordinate <br> Geometry |
| Positive and <br> Negative <br> Numbers | Ordering of <br> Decimals, Fractions, <br> and Signed <br> Numbers |

6.NS. 7

Understand ordering and absolute value of rational numbers.
6.NS.7.a

Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram. For example, interpret $-3>-7$ as a statement

Positive and Negative Numbers

Ordering of Decimals, Fractions, and Signed Numbers

| that -3 is located to the right of -7 on a number line oriented from left to right. |  |  |
| :---: | :---: | :---: |
| 6.NS.7.b <br> Write, interpret, and explain statements of order for rational numbers in real-world contexts. For example, write $-3^{\circ} \mathrm{C}>-7^{\circ} \mathrm{C}$ to express the fact that $-3^{\circ} \mathrm{C}$ is warmer than $-7^{\circ} \mathrm{C}$. | Positive and Negative Numbers | Ordering of Decimals, Fractions, and Signed Numbers |
|  |  | Using Positive and Negative Integers |
| 6.NS.7.c <br> Understand the absolute value of a rational number as its distance from 0 on the number line; interpret absolute value as magnitude for a positive or negative quantity in a real-world situation. For example, for an account balance of -30 dollars, write $\|-30\|=30$ to describe the size of the debt in dollars. | Positive and Negative Numbers | Ordering of Decimals, Fractions, and Signed Numbers |
| 6.NS.7.d <br> Distinguish comparisons of absolute value from statements about order. For example, recognize that an account balance less than -30 dollars represents a debt greater than 30 dollars. | Positive and Negative Numbers | Ordering of Decimals, Fractions, and Signed Numbers |
| 6.NS. 8 <br> Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate. | Geometry | Finding the Distance between Two Points |
| 7.NS. 1 <br> Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram. |  |  |
| 7.NS.1.a <br> Describe situations in which opposite quantities combine to make 0 . For example, if a check is written for the same amount as a deposit, made to the same checking account, the result is a zero increase or decrease in the account balance. | Positive and Negative Numbers | Adding and <br> Subtracting <br> Negative Numbers |
| 7.NS.1.b <br> Understand $\mathrm{p}+\mathrm{q}$ as the number located a distance \|q| from $p$, in the positive or negative direction depending on whether $q$ is positive or negative. Show that a number and its opposite have a sum of 0 (are additive inverses). Interpret sums of rational numbers by describing realworld contexts. | Positive and Negative Numbers | Adding and Subtracting Negative Numbers |


| 7.NS.1.c | Positive and | Adding and |
| :--- | :--- | :--- |
| Understand subtraction of rational numbers as adding <br> the additive inverse, $\mathrm{p}-\mathrm{q}=\mathrm{p}+(-\mathrm{q})$. Show that the <br> distance between two rational numbers on the number <br> line is the absolute value of their difference, and apply <br> this principle in real-world contexts. | Negative <br> Numbers | Subtracting |
| 7.NS.1.d |  |  |
| Apply properties of operations as strategies to add and <br> subtract rational numbers. | Positive and <br> Negative | Adding and <br> Subtracting |
| 7.NS.2 |  | Negative Numbers |

Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers.
7.NS.2.a

Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as $(-1)(-$ $1)=1$ and the rules for multiplying signed numbers. Interpret products of rational numbers by describing realworld contexts.
7.NS.2.b

Understand that integers can be divided, provided that the divisor is not zero, and every quotient of integers (with non-zero divisor) is a rational number. If $p$ and $q$ are integers, then $-\left(\frac{p}{q}\right)=\frac{(-p)}{q}=\frac{p}{(-q)}$. Interpret quotients of rational numbers by describing real-world contexts.
7.NS.2.c
Apply properties of operations as strategies to multiply and divide rational numbers.
7.NS.2.d

Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats
8.NS. 2

Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., m2). For example, by truncating the decimal expansion of $\sqrt{ } 2$, show that $\sqrt{ } 2$ is between 1 and 2 , then between 1.4 and 1.5 , and explain how to continue on to get better approximations.

| Positive and | Multiplying and |
| :--- | :--- |
| Negative | Dividing with |
| Numbers | Negative Numbers |


| Positive and | Multiplying and |
| :--- | :--- |
| Negative | Dividing with |
| Numbers | Negative Numbers |


| Positive and | Multiplying and |
| :--- | :--- |
| Negative | Dividing with |
| Numbers | Negative Numbers |
| Exponents and | Rational and |
| Radicals | Irrational Numbers |

Exponents and Radicals

Rational and Irrational Numbers

## Ratios and Proportional Reasoning (10\%)

| Standard | Aztec Pre-HSE <br> Unit | Aztec Pre-HSE <br> Lesson |
| :--- | :--- | :--- |
| 7.RP.1 <br> Compute unit rates associated with ratios of fractions, <br> including ratios of lengths, areas and other quantities <br> measured in like or different units. For example, if a <br> person walks $1 / 2$ mile in each $1 / 4$ hour, compute the unit <br> rate as the complex fraction $1 / 2 / 1 / 4$ miles per hour, <br> equivalently 2 miles per hour. | Ratios, <br> Proportions, and <br> Percentages | Understanding Unit <br> Rates and Scaling |
| 7 RP 2 |  |  |

## Recognize and represent proportional relationships between quantities.

| 7.RP.2.a <br> Decide whether two quantities are in a proportional <br> relationship, e.g., by testing for equivalent ratios in a <br> table or graphing on a coordinate plane and observing <br> whether the graph is a straight line through the origin. | Functions and <br> Graphs | Graphing Lines |
| :--- | :--- | :--- |
| 7.RP.2.b <br> Identify the constant of proportionality (unit rate) in <br> tables, graphs, equations, diagrams, and verbals of <br> proportional relationships. [Also see 8.EE.5] | Functions and <br> Graphs | Graphing Lines |
| 7.RP.2.c <br> Represent proportional relationships by equations. For <br> example, if total cost $t$ is proportional to the number $n$ <br> items purchased at a constant price p, the relationship <br> between the total cost and the number of items can be <br> expressed as $\mathrm{t}=$ pn. | Functions and <br> Graphs | Graphing Lines |
| 7.RP.2.d <br> Explain what a point $(x, y)$ on the graph of a proportional <br> relationship means in terms of the situation, with special <br> attention to the points $(0,0)$ and $(1, r)$ where $r$ is the unit <br> rate. | Functions and | Graphing Lines |

## 6.RP. 3

Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.

| 6.RP.3.a <br> Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios. | Ratios, <br> Proportions, and <br> Percentages | Equivalent Ratios |
| :---: | :---: | :---: |
| 6.RP.3.b <br> Solve unit rate problems including those involving unit pricing and constant speed. For example, if it took 7 | Ratios, <br> Proportions, and <br> Percentages | Understanding Unit Rates and Scaling |
| hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed? | The Cost of Living | Understanding and Comparing Unit Prices |
| 6.RP.3.c <br> Find a percent of a quantity as a rate per 100 (e.g., $30 \%$ of a quantity means $30 / 100$ times the quantity); solve problems involving finding the whole, given a part and the percent. | Ratios, <br> Proportions, and Percentages | Percentages |
| 6.RP.3.d <br> Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities. | Ratios, <br> Proportions, and <br> Percentages | Ratios |
| 7.RP. 3 <br> Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, | Ratios, <br> Proportions, and Percentages | Percentages |
| markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error. [Also see 7.G. 1 and G.MG.2] | The Cost of Living | Understanding and Comparing Unit Prices |
|  |  | Understanding Discounts |
|  | Metric <br> Measurements | Changing <br> Measurement Forms |

## Expressions and Equations (18\%)

\(\left.\begin{array}{|l|l|l|}\hline Standard \& Aztec Pre-HSE \& Aztec Pre-HSE <br>

Unit\end{array}\right]\)| Lesson |
| :--- |

very small quantities, and to express how many times as much one is than the other. For example, estimate the population of the United States as $3 \times 108$ and the population of the world as $7 \times 109$, and determine that the world population is more than 20 times larger.

## 7.EE. 4

Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. [Also see A.CED. 1 and A.REI.3]
7.EE.4.a Solving Linear

Solve word problems leading to equations of the form $p x$ $+q=r$ and $p(x+q)=r$, where $p, q$, and $r$ are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. For example, the perimeter of a rectangle is 54 cm . Its length is 6 cm . What is its width? [Also see A.CED. 1 and A.REI.3]

## 7.EE.4.b

Solve word problems leading to inequalities of the form $p x+q>r$ or $p x+q<r$, where $p, q$, and $r$ are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem. For example: As a salesperson, you are paid $\$ 50$ per week plus $\$ 3$ per sale. This week you want your pay to be at least $\$ 100$. Write an inequality for the number of sales you need to make, and describe the solutions. [Also see A.CED. 1 and A.REI.3]
8.EE. 5

Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways.
For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed. [Also see 7.RP.2b]

Solving Linear
Equations and
Inequalities

Solving Linear
Equations and Inequalities

Functions and Graphs

## 8.EE. 8

Analyze and solve pairs of simultaneous linear equations.
8.EE.8.a
Understand that solutions to a system of two linear
equations in two variables correspond to points of
intersection of their graphs, because points of
intersection satisfy both equations simultaneously.

## 8.EE.8.a

Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously.

Solving Two-Step
Equations
Solving Multi-Step
Equations
Problem Solving in
Algebra

Working with Inequalities

Problem Solving in Algebra

Graphing Lines

Functions and Graphs

Solving Systems of Equations by Substitution
Solving Systems of Equations by Elimination

| 8.EE.8.b | Functions and |  |
| :---: | :---: | :---: |
| Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For | Graphs | Solving Systems of Equations by Substitution |
| example, $3 x+2 y=5$ and $3 x+2 y=6$ have no solution because $3 x+2 y$ cannot simultaneously be 5 and 6 . [Also see A.REI.6] |  | Solving Systems of Equations by Elimination |
| 8.EE.8.c <br> Solve real-world and mathematical problems leading to two linear equations in two variables. For example, given |  | Solving Systems of Equations by Substitution |
| coordinates for two pairs of points, determine whether the line through the first pair of points intersects the line through the second pair. | Functions and Graphs | Solving Systems of Equations by Elimination |

## Functions (11\%)

| Standard | Aztec Pre-HSE <br> Unit | Aztec Pre-HSE <br> Lesson |
| :--- | :--- | :--- |
| 8.F.3 <br> Interpret the equation $\mathrm{y}=\mathrm{mx}+\mathrm{b}$ as defining a linear <br> function, whose graph is a straight line; give examples of <br> functions that are not linear. For example, the function A <br> = s2 giving the area of a square as a function of its side <br> length is not linear because its graph contains the points <br> (1,1), (2,4) and (3,9), which are not on a straight line. | Functions and <br> Graphs | Graphing Lines |
| 8.F.4 <br> Construct a function to model a linear relationship <br> between two quantities. Determine the rate of change <br> and initial value of the function from a of a relationship <br> or from two (x, y) values, including reading these from a <br> table or from a graph. Interpret the rate of change and <br> initial value of a linear function in terms of the situation it <br> models, and in terms of its graph or a table of values. <br> [Also see F.BF.1 and F.LE.5] | Graphs |  |
| 8.F.5 <br> Describe qualitatively the functional relationship between <br> two quantities by analyzing a graph (e.g., where the <br> function is increasing or decreasing, linear or nonlinear). <br> Sketch a graph that exhibits the qualitative features of a <br> function that has been described verbally. [Also see | Fraphs | Basics of Functions |
| A.REI.10 and F.IF.7] |  |  |


| Geometry (15\%) |  |  |
| :--- | :--- | :--- |
| Standard | Aztec Pre-HSE <br> Unit | Aztec Pre-HSE <br> Lesson |
| 7.G.1 <br> Solve problems involving scale drawings of geometric <br> figures, including computing actual lengths and areas <br> from a scale drawing and reproducing a scale drawing at <br> a different scale. [Also see 7.RP.3] | Ratios, <br> Proportions, and <br> Percentages | Understanding Unit <br> Rates and Scaling |
| 8.G.2 <br> Understand that a two-dimensional figure is congruent to <br> another if the second can be obtained from the first by a <br> sequence of rotations, reflections, and translations; <br> given two congruent figures, describe a sequence that <br> exhibits the congruence between them. [Also see | Geometry | Transformations on |
| G.SRT.5] |  |  |


| 8.G.8 <br> Apply the Pythagorean Theorem to find the distance <br> between two points in a coordinate system. | Geometry | Pythagorean <br> Theorem |
| :--- | :--- | :--- |

## Statistics and Probability (22\%)

| Standard | Aztec Pre-HSE |
| :--- | :--- | :--- |
| Unit |  | Aztec Pre-HSE | Lesson |
| :--- |

words in another chapter of a lower level science book.
[Also see S.ID.3]

| 8.SP. 4 | Basics of | Introduction to |
| :--- | :--- | :--- |
| Understand that patterns of association can also be | Statistics | Statistics |
| seen in bivariate categorical data by displaying |  |  |
| frequencies and relative frequencies in a two-way table. |  |  |
| Construct and interpret a two-way table summarizing |  |  |
| data on two categorical variables collected from the |  |  |
| same subjects. Use relative frequencies calculated for |  |  |
| rows or columns to describe possible association |  |  |
| between the two variables. For example, collect data |  |  |
| from students in your class on whether or not they like to |  |  |
| cook and whether they participate actively in a sport. Is |  |  |
| there evidence that those who like to cook also tend to |  |  |
| play sports? [Also see S.ID.5] |  |  |

6.SP. 5

Summarize numerical data sets in relation to their context, such as by:
6.SP.5.d

Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.
7.SP. 5

Understand that the probability of a chance event is a number between 0 and 1 that expresses the likelihood of the event occurring. Larger numbers indicate greater likelihood. A probability near 0 indicates an unlikely event, a probability around $1 / 2$ indicates an event that is neither unlikely nor likely, and a probability near 1 indicates a likely event.

| Basics of | Measures of Central |
| :--- | :--- |
| Statistics | Tendency |

Basics of Basic Probability Statistics

## 7.SP. 7

Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.

| 7.SP.7.a <br> Develop a uniform probability model by assigning equal <br> probability to all outcomes, and use the model to <br> determine probabilities of events. For example, if a <br> student is selected at random from a class, find the <br> probability that Jane will be selected and the probability <br> that a girl will be selected. | Basics of <br> Statistics | Basic Probability |
| :--- | :--- | :--- |
| 7.SP.7.b <br> Develop a probability model (which may not be uniform) <br> by observing frequencies in data generated from a | Basics of <br> Statistics | Basic Probability |

chance process. For example, find the approximate probability that a spinning penny will land heads up or that a tossed paper cup will land open-end down. Do the outcomes for the spinning penny appear to be equally likely based on the observed frequencies?

## 7.SP. 8

Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.

| 7.SP.8.a | Basics of | Basic Probability |
| :--- | :--- | :--- |

Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs.
7.SP.8.b

Represent sample spaces for compound events using methods such as organized lists, tables and tree diagrams. For an event described in everyday language (e.g., "rolling double sixes"), identify the outcomes in the sample space which compose the event.

