

Essential Learning Objectives

**for Math and Language Arts
Grades Kindergarten through
Eight**

Prepared by
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Services

Essential Learning Objectives

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Introduction

This product reflects the conclusions of the Basic Skills Assessment & Educational Services teaching staff and their associates relative to basic learning outcomes to be expected of students grades kindergarten through eight in the areas of language arts and math. Five instructors whose teaching experience extends from kindergarten through college collaborated to identify what may be regarded as the *essentials*. It is not coded to any particular curriculum.

The learning objectives contained in the following pages have been simplified. It should be used as reference tool, a means to check the progress the student is making as compared to a set of criteria. As home educators, our goal is not simply to *finish our books*. Rather, our goal is to see that the skills taught in the books we are using are grasped by our children.

The following list of learning objectives is simple to use. Each objective is listed in terms of a specific performance that may be expected of the student after instruction has taken place. The grade level(s) at which each objective should typically be mastered (mastery being defined as being able to demonstrate the objective 80 percent of the time in a given setting) is listed to the left. In some cases, two grade levels (i.e. 2-3) are listed showing that mastery of the objective in question is not to be expected of all children at the same grade level.

To help you confirm mastery, the ELO Quick Assessment Series which is grade specific may be purchased from Basic Skills. To see samples pages of this product, go to our website and click on the products button. www.basicsskills.net

Consider these learning objectives and the associated grade levels to be flexible standards. If your child is not mastering various objectives, do not conclude that this necessarily means a learning disability is the cause. Lack of mastery may indicate that different teaching methods should be used. It may also indicate that the chosen curriculum has been designed to move at a different pace. It could be that the child is a *late bloomer* who, given sufficient time, will catch up. You may wish to consult with a seasoned home schooler or professional educator sympathetic to home schooling for possible causes and solutions.

Kindergarten Learning Objectives

Basic Concepts

- Can recite phone number
- Can recite address
- Can recognize colors: red, yellow, blue, green, orange, purple, brown, white, black
- Can name body parts: shoulder, elbow, chin
- Can recognize positional concepts: over, under, beside
- Can identify right and left
- Can recognize opposites for: hot, last, in, light

Motor Skills and Physical Development

- Can jump
- Can hop
- Can gallop
- Can skip
- Can jump rope
- Can drop and catch a ball
- Can tie shoestrings
- Can color within lines
- Can cut on a line with scissors

Math

- Can count to 20
- Can recognize numerals up to 20
- Can write numerals 0 - 9
- Can match sets of objects to numerals up to 20
- Can identify groups with more or fewer
- Can identify pattern sequences
- Can recognize basic shapes: Circle, square, rectangle, triangle, diamond
- Can draw basic shapes: Circle, square, rectangle, triangle, diamond
- Can identify shapes that are: Shorter, longer, taller
- Can solve addition story problems orally
- Can solve subtraction story problems orally

Reading

- Can recognize lower case and capital letters
- Can produce sounds for single letters
- Can blend sounds of two letters
- Can recognize beginning, middle and ending letter sounds in words
- Can read two, three, and four letter words
- Can read sentences
- Can recall story details (teacher tells story)
- Can recall story sequence (teacher tells story)

Writing

- Can hold a pencil properly
- Can print lower case letters
- Can print capital letters
- Can print first name
- Can spell two and three letter words

Language Arts Learning Objectives

Grades 1 - 3

Sentences

- 1 Can identify and write a complete sentence
- 1 Can identify a word that has been left out of a sentence
- 2 Can write a 3-5 sentence story using complete sentences
- 1-2 Can identify and write a question
- 2 Can identify and write an exclamation

Punctuation

- 1-2 Can use a period at the end of a sentence
- 2-3 Can use a period in abbreviations
- 1-2 Can use a question mark
- 2 Can use an exclamation point
- 3 Can use a comma after yes and no
- 3 Can use a comma after a name
- 2 Can use a comma between city and state
- 3 Can use a comma in a series of words
- 2-3 Can use a comma in a date
- 3 Can use quotation marks in dialog

Capitalization

- 1 Can capitalize the first word in a sentence
- 2 Can capitalize the days of the week
- 2 Can capitalize the months of the year
- 2 Can capitalize special holidays
- 1 Can capitalize the word I
- 1 Can capitalize references to God and the Bible
- 1 Can capitalize names of people
- 2 Can capitalize initials
- 2 Can capitalize titles of people and literary works

Word Study

- 2 Can identify the root of a given word
- 2 Can identify the prefix of a given word
- 2 Can identify the suffix of a given word
- 2 Can identify the number of syllables in a word
- 2 Can identify compound words
- 1 Can identify words that rhyme
- 2 Can identify antonyms
- 2 Can identify synonyms
- 2 Can use homonyms
- 2 Can use homographs

Word Study (continued)

- 2 Can identify contractions for given words
- 1-2 Can use the singular form of a given word
- 1-2 Can use the plural form of a given word
- 1-2 Can use past and present tense forms of a given word
- 3 Can use the possessive form of a given word

Parts of Speech

- 2-3 Can identify nouns
- 2-3 Can identify action verbs
- 3 Can identify helping verbs
- 3 Can identify adjectives
- 3 Can identify the simple subject of a sentence
- 3 Can identify the complete subject of a sentence
- 3 Can identify the complete predicate of a sentence

Word Usage

- 2 Can use common pronouns correctly
- 3 Can use common adverbs correctly
- 2-3 Can identify subjects and verbs that agree in number and tense
- 2 Can use the following words correctly in a sentence:
is, are, isn't, aren't, there is, is there, there are, are there, was, were, wasn't, weren't, has, have, hasn't, haven't, a, an, threw, thrown, saw, seen, became, become, wrote, written, drank, drunk, ate, eaten, did, done, took, taken, gave, given, came, come, drove, driven, rode, ridden, broke, broken, himself, themselves, its, it's
- 3 Can use the following words correctly in a sentence:
sit, sat, set, learn, teach, to, too, two, may, can, grew, grown, knew, known, blew, blown, sang, sung, rang, rung, went, gone, froze, frozen, fell, fallen, ran, run, began, begun, there, their, they're, its, it's

Study Skills

- 2 Can alphabetize words to the first letter
- 2 Can alphabetize words to the second and third letters
- 2-3 Can look up words in a dictionary
- 2 Can use a table of contents
- 2-3 Can use a glossary

Composition

- 3 Can order sentences to make a paragraph
- 3 Can write a paragraph
- 3 Can write a one page story or composition
- 3 Can write a friendly letter
- 3 Can address an envelope

Handwriting

- 1 Can hold a pencil properly
- 1 Can print all letters, upper and lower case
- 2-3 Can write all cursive letters, upper and lower case
- 1 Can write numerals 0 - 20

Phonics

- 1 Can produce short vowel sounds
- 1 Can produce long vowel sounds
- 1 Can produce consonant sounds (two sounds for c, g, s)
- 1 Can blend two or more letter sounds
- 1 Can identify beginning and ending sounds in words

Math Learning Objectives

Grades 1-3

Numerals and Numbers

- 1 Can write and recognize any numeral up to 100
- 2 Can write and recognize any numeral up to 999
- 3 Can write and recognize any numeral up to 999,999
- 1 Can identify ones and tens place
- 2 Can identify hundreds place
- 3 Can identify thousands place
- 1 Can count by ones, fives and tens
- 2 Can count by twos, threes and fours
- 2 Can use less than and greater than signs correctly
- 1 Can identify ordinals: First through tenth
- 3 Can identify Roman numerals 1-100
- 3 Can round numbers to nearest 10 and nearest 100
- 2 Can recognize odd and even numbers

Addition of Whole Numbers

- 1 Can add to 10 horizontally and vertically
- 2 Can add to 18 horizontally and vertically
- 1 Can add to 99 (no carrying)
- 2 Can add to 999 (no carrying)
- 2 Can add to 99 (carrying)
- 3 Can add to 999 (carrying)
- 3 Can add to 9,999 (carrying)
- 1 Can solve problems with 3 single digit addends, horizontally and vertically
- 3 Can solve problems with 5 single digit addends, horizontally and vertically
- 3 Can solve addition problems with 3 two-digit addends
- 1 Can use addition to solve picture story problems
- 2 Can use addition to solve story problems
- 2 Can add money (sums to \$1.00)
- 3 Can add money (sums to \$100, with carrying)
- 3 Can check two-digit subtraction problems by adding
- 3 Can solve addition problems with parentheses
- 3 Can estimate solutions by rounding to nearest 100
- 2-3 Can identify a missing addend

Subtraction of Whole Numbers

- 1 Can subtract from 10 horizontally and vertically
- 2 Can subtract from 20 horizontally and vertically
- 1-2 Can subtract from 99 (no borrowing)
- 2 Can subtract from 999 (no borrowing)
- 2 Can subtract from 99 (borrowing)
- 3 Can subtract from 999 (borrowing)

Subtraction of Whole Numbers (continued)

- 3 Can subtract from 9,999 (borrowing)
- 1 Can use subtraction to solve picture story problems
- 2 Can use subtraction to solve story problems
- 2 Can subtract with money from \$5.00
- 3 Can subtract with money from \$100 (borrowing)
- 3 Can check addition problems by subtracting
- 3 Can solve subtraction problems with parentheses
- 3 Can estimate solution to subtraction problems, rounding to nearest 100
- 2-3 Can identify a missing number in a subtraction problem

Multiplication of Whole Numbers

- 3 Can multiply factors 0 to 5, second factor to 9
- 3 Can multiply factors 6 to 9, second factor to 9
- 3 Can multiply factors 0 to 12, second factor to 12
- 3 Can multiply factors to 9, second factor to 99
- 3 Can multiply first factor to 9, second factor to 999
- 3 Can multiply by 10, 100 and 1000
- 3 Can use multiplication to solve story problems
- 3 Can solve multiplication problems with parentheses
- 3 Can identify a missing factor in multiplication problems

Division of Whole Numbers

- 3 Can divide a two-digit number by a one-digit number
- 3 Can divide a two-digit number by a one-digit number with a remainder
- 3 Can divide a two-digit number by a two-digit number
- 3 Can use division to solve story problems
- 3 Can identify a missing number in a division problem

Fractions

- 1-2 Can identify a whole, half, third and quarter of geometric shapes
- 2-3 Can recognize simple fractions
- 3 Can find fractional parts of whole numbers

Geometry

- 1 Can identify a circle, rectangle, square and triangle
- 2 Can identify a sphere, cylinder, cube and pyramid
- 2 Can identify a cube and pyramid
- 3 Can identify a cone and rectangular solid
- 1-2 Can identify shapes that are symmetrical
- 3 Can identify shapes that are congruent or similar
- 1 Can identify open and closed figures
- 1 Can identify inside and out

Measurement

- 2 Can identify a centimeter using a ruler
- 1 Can identify a foot and an inch using a ruler
- 2 Can convert inches to feet
- 1 Can identify a yard and use a yard stick
- 2 Can convert feet to yards
- 3 Can determine perimeter
- 3 Can determine area in inches and in centimeters
- 2-3 Can convert cups, pints and quarts
- 2-3 Can convert gallons
- 2 Can read a thermometer (C and F)
- 1 Can tell time to the hour, half hour and quarter hour
- 2 Can tell time to five minute intervals
- 2 Can tell time to the minute
- 3 Can use time in story problems
- 1-2 Can identify days and dates on a calendar
- 3 Can read bar graphs
- 1 Can recognize a penny, nickel, dime, quarter, and half dollar
- 1 Can identify the value of a penny, nickel, dime, quarter, half dollar and dollar

Language Arts Learning Objectives

Grades 4-6

Sentences

- 4 Can identify declarative, interrogative, imperative, and exclamatory sentences
- 4 Can identify and correct a sentence fragment
- 5 Can identify simple and compound sentences
- 4-5 Can identify a run on sentence
- 5 Can correct run on sentences
- 5 Can correct sentences with a double negative
- 4 Can combine sentences for clarity

Punctuation

- 4 Can use quotation marks in direct quotations
- 5 Can use quotation marks in titles of chapters, articles, etc.
- 5 Can use quotation marks in a quotation within a quotation
- 4 Can use an apostrophe to show ownership
- 4 Can use an apostrophe to show a contraction
- 4 Can use an apostrophe to form plurals
- 5 Can use a colon before a list of items
- 4 Can use a colon between the hour and minute
- 4 Can use a colon after a salutation
- 4 Can underline titles of books, plays, newspapers, magazines, movies, record albums, TV shows and musical compositions
- 4 Can use a hyphen to divide a word at the end of a line
- 5 Can use a hyphen to show two or more words used as one
- 4 Can use semicolons

Capitalization

- 4 Can capitalize the first word of a direct quotation
- 4 Can capitalize proper adjectives

Word Study

- 4 Can identify the root of a given word
- 4 Can identify the prefix of a given word
- 4 Can identify the suffix of a given word

Nouns

- 4 Can distinguish between common and proper nouns
- 4 Can identify the complete subject of a sentence
- 4 Can identify and write a sentence with a simple subject
- 4 Can identify and write a sentence that has a compound subject
- 4 Can make a singular noun plural
- 4 Can identify write a sentence using a noun in direct address

Verbs

- 4 Can identify the verb in a given sentence
- 4-5 Can identify the complete predicate of a given sentence
- 4-5 Can identify and write a sentence that has a compound verb
- 4-5 Can identify the verb phrase of a given sentence
- 5-6 Can write the principle parts of regular verbs
- 5-6 Can write the principle parts of the following irregular verbs: fall, lay, pay, swim
- 4 Can choose the verb that agrees in number with its subject in a given sentence
- 5 Can define the term "linking verb"
- 5 Can write sentences using the following linking verbs: taste, been, is, become, and sound

Pronouns

- 4 Can define the term "pronoun"
- 5 Can identify the correct antecedent for a pronoun in a given sentence
- 4 Can identify a personal pronoun in a given sentence
- 5 Can identify a subjective, objective, or possessive pronoun in a given sentence
- 5 Can identify an interrogative or demonstrative pronoun in a given sentence
- 5 Can identify the correct verb and pronoun subject so that they agree

Adjectives

- 4 Can define the term "adjective"
- 4 Can identify an adjective in a given sentence
- 5 Can write the comparative and superlative forms for the following irregular adjectives: good, bad, many, much, well
- 5 Can identify prepositional phrases used as adjectives
- 5-6 Can identify articles

Other Parts of Speech

- 5 Can define the term "adverb"
- 4 Can identify an adverb in a given sentence
- 5 Can write the positive, comparative, and superlative forms of the following adverbs: quick, cheap, kind, close, and soon.
- 5 Can identify words that an adverb modifies in a given sentence
- 6 Can define the term "preposition"
- 6 Can identify a preposition in a given sentence
- 6 Can identify a prepositional phrase
- 6 Can define the term "conjunction"
- 6 Can identify a conjunction in a given sentence
- 6 Can define the term "interjection"
- 6 Can identify an interjection in a given sentence

Complements

- 6 Can define the term "complement"
- 6 Can define the term "direct object" and identify a direct object in a sentence
- 6 Can define the term "indirect object" and identify an indirect object in a sentence

Word Usage

- 5 Can use the following words correctly in a sentence: lie, lay, rise, raise, your, you're, I, me, do, does

Dictionary Usage

- 4 Can identify guide words
5 Can identify abbreviations in a dictionary
5 Can identify which syllable in a word receives an accent

Composition

- 4 Can identify a topic sentence in a paragraph
4 Can sequence sentences to make a paragraph
4 Can write a paragraph
6 Can write dialogue (3 to 5 lines)
6 Can write a business letter
6 Can write a post card
6 Can write a 4 to 5 page research paper with the following components: note cards, an outline, summary items, bibliography

Spelling

- 4 Can use the correct homophone in a given sentence
4 Can write sentences using two meanings of a given homograph
4-5 Can use abbreviations in the following ways: In addresses, am, pm, days, months, names and titles of people, state names

Math Learning Objectives

Grades 4-6

Numerals and Numbers

- 5 Can identify up to the billions place
- 5 Can write numbers up to 1,000,000 using words
- 4 Can recognize any number up to 1,000,000
- 5 Can identify tenths and hundredths place
- 5-6 Can identify thousandths, ten thousandths and hundred thousandths place
- 5-6 Can use $>$ or $<$ with decimals to thousandths' place
- 4 Can use $>$ or $<$ with fractions with same denominator
- 4 Can round to the nearest thousand
- 5 Can round to the nearest ten thousand
- 5-6 Can round to the nearest thousandth
- 4-5 Can write numbers using expanded notation
- 6 Can write numbers using exponents

Addition of Whole Numbers

- 4 Can find sums to 999,999
- 4 Can use addition in story problems
- 4 Can estimate sums

Subtraction of Whole Numbers

- 4 Can subtract from 999,999
- 4 Can use subtraction in story problems
- 4 Can estimate differences

Multiplication of Whole Numbers

- 4 Can multiply with a two-digit factor
- 5 Can multiply with a three-digit factor
- 4-5 Can identify the factors of a number
- 5 Can identify the greatest common factor of two numbers
- 4-5 Can use multiplication in story problems

Division of Whole Numbers

- 4-5 Can divide with a two-digit divisor
- 6 Can divide with a three-digit divisor
- 4 Can check division problems by multiplying
- 4-5 Can use division in story problems

Decimals

- 5-6 Can change a fraction to a decimal
- 4 Can add and subtract decimals
- 5-6 Can multiply decimals
- 5 Can divide decimals
- 6 Can change a decimal to a percent

Fractions

- 5 Can identify equivalent fractions
- 4-5 Can reduce fractions to lowest terms
- 5-6 Can change improper fractions to mixed or whole numbers
- 5-6 Can change mixed numbers to improper fractions
- 4 Can add and subtract fractions with same denominator
- 5-6 Can add and subtract fractions with different denominator
- 4-5 Can add and subtract mixed numbers with same denominator
- 5-6 Can add and subtract mixed numbers with different denominator
- 5 Can multiply and divide fractions
- 6 Can find and utilize ratios
- 5 Can identify reciprocals
- 6 Can write fractions as percents
- 4-5 Can use fractions in story problems
- 6 Can change a fraction to a decimal

Geometry

- 5-6 Can identify a rhombus, parallelogram, trapezoid, pentagon, hexagon, octagon, quadrilateral
- 4 Can identify similar and congruent figures
- 4 Can draw lines of symmetry
- 4 Can identify parallel and perpendicular lines
- 5 Can construct angles using a protractor
- 5 Can bisect angles using a compass
- 5 Can draw a line, line segment, and ray.
- 5 Can draw an acute angle and an obtuse angle

Measurement

- 5-6 Can convert kilometers, meters, centimeters, millimeters, liters, milliliters, grams, milligrams
- 4 Can determine the area of rectangles and squares
- 4 Can determine the perimeter of rectangles and squares
- 5 Can determine the area of triangles
- 6 Can determine the area of circles
- 6 Can determine surface area of solids
- 4-5 Can determine the volume of a cube
- 5 Can measure angles using a protractor
- 5-6 Can determine circumference, diameter and radius
- 6 Can convert miles to feet
- 6 Can convert pounds to ounces
- 6 Can convert tons to pounds

Probability and Statistics

- 4 Can answer questions using a bar, picture, circle, or line graph
- 5-6 Can find probability

Problem Solving

- 4 Can solve one-step story problems
- 5 Can solve two-step story problems
- 5-6 Can solve multi-step story problems

Language Arts Learning Objectives

Grades 7-8

Sentences

- 7 Can identify a complex sentence
- 7 Can identify and use independent clauses
- 7 Can identify and use dependent clauses
- 7 Can identify and use relative clauses
- 7 Can identify a noun clause
- 7 Can identify an adverb clause
- 7 Can identify and use predicate nominatives
- 7 Can identify and use predicate adjectives
- 7 Can identify and use appositive constructions
- 7 Can identify and use passive sentences

Paragraphs

- 8 Can identify the topic sentence
- 8 Can identify the main idea of a paragraph
- 8 Can tie 5-7 sentences together to form a whole
- 8 Can write a paragraph of the following basic types: classification, process, cause and effect, definition, analogy, comparison
- 8 Can maintain single tense in a paragraph
- 8 Can maintain single point of view in a paragraph

Punctuation

- 7 Can use a comma to set off words used in direct address
- 7 Can use commas with appositives
- 7 Can use a comma to set off parenthetical expressions
- 7 Can use a comma to introduce a modifying phrase or clause
- 7 Can use a dash after a series of words or phrases that give details about the statement that follows
- 7 Can use a dash to indicate an abrupt change or break in the flow of a sentence
- 7 Can use a dash to set off parenthetical elements that are very abrupt or that contain commas
- 7 Can use parentheses

Parts of Speech

- 7 Can identify coordinating conjunctions
- 7 Can identify subordinating conjunctions
- 7 Can conjugate any verb
- 7 Can identify collective nouns
- 7 Can identify appositive nouns
- 7 Can identify a transitive or intransitive verb in a given sentence
- 7 Can identify past perfect tense
- 7 Can identify a possessive pronoun
- 7 Can identify a reflexive pronoun
- 7 Can identify an interrogative pronoun

Usage

- 7 Can identify a participle and participle phrase
- 7 Can make subject and verbs agree
- 7 Can identify a dangling participle
- 7 Can identify a gerund and gerund phrase
- 7 Can identify an infinitive and infinitive phrase
- 7 Can make a pronoun agree with its antecedent

Study Skills

- 7-8 Can use a thesaurus to generate a synonym
- 7-8 Can identify and answer questions relative to the following parts of a book: index, table of contents, preface, glossary, title page, copyright page

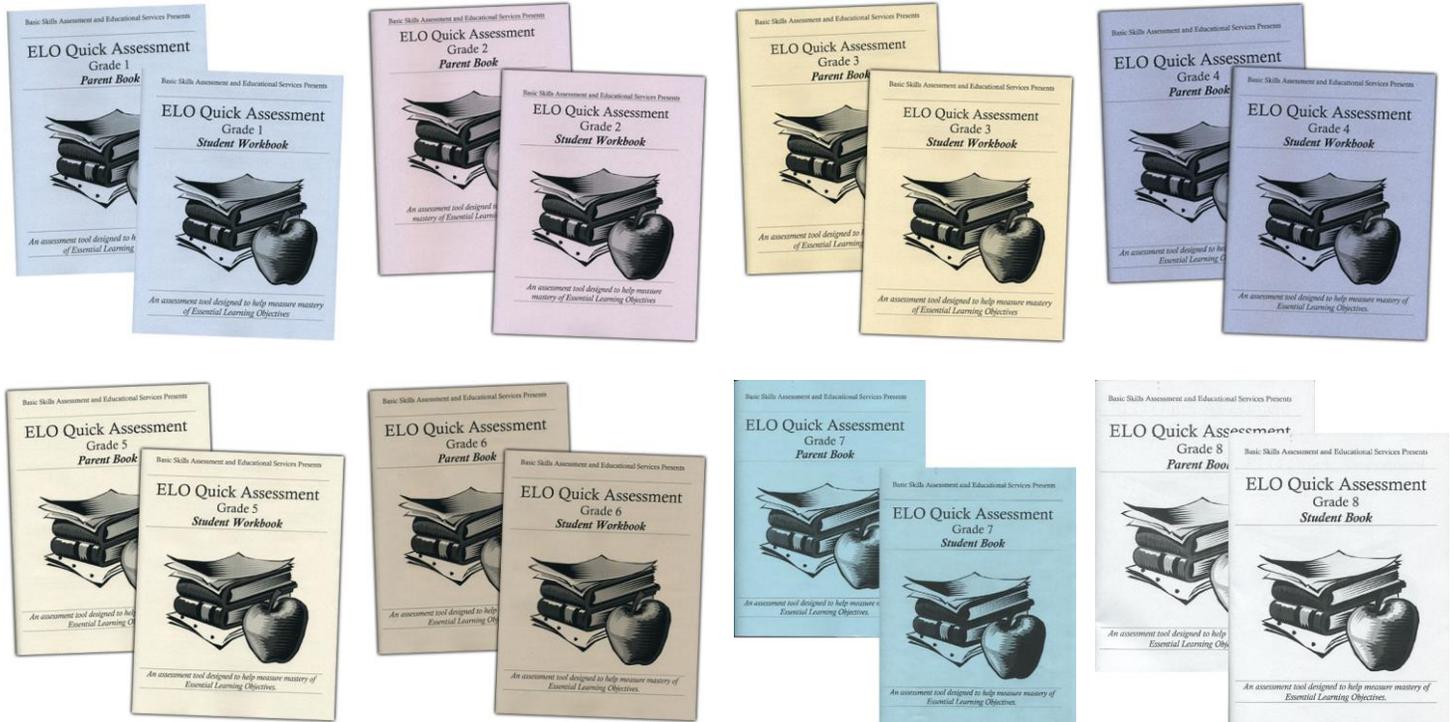
Writing

- 7-8 Can identify the following elements in creative writing/poetry:
 - simile, metaphor, hyperbole
 - irony, personification, alliteration
 - assonance, consonance, onomatopoeia
- 7 Can identify the rhyme scheme of a poem

Math Learning Objectives Grades 7-8

- 7 Can transform numerals into Roman numerals and vice versa
- 7 Can convert from one unit of measuring length into another (English)
- 7 Can convert from one unit of measuring length into another (Metric)
- 7 Can convert from one unit of weight into another, both liquid and dry (English)
- 7 Can convert from one unit of weight into another, both liquid and dry (Metric)
- 8 Can use English units for length, area, volume, and mass
- 8 Can use Metric units for length, area, volume, and mass
- 8 Can recognize the following number properties: commutative, associative, identity, closure, distributive, and inverse
- 7 Can add, subtract, multiply and divide whole numbers (unlimited digits)
- 7 Can estimate sums, differences, products, quotients to various place values
- 7 Can calculate the sum, difference, dividend or product of real numbers
- 7 Can name a percent of a number, or one number as a percent of another
- 7 Can solve percent problems
- 8 Can locate points on a rectangular graph
- 7 Can graph on a number line and rectangular plane
- 7 Can identify the following geometric terms: point, line, plane, ray, obtuse, acute, or right angle, equilateral, isosceles, or scalene triangles, quadrilateral, septagon, decagon, diameter, radius, chord, circumference, arc, semicircle
- 8 Can determine if a one-to-one correspondence exists between two sets
- 8 Can use inequality symbols correctly; simple and compound with real numbers
- 8 Can find values for variables in equations inequalities
- 8 Can express phrases using variables: addition, subtraction, multiplication, division
- 8 Can identify additive and multiplicative identities
- 7 Can evaluate positive integers with exponents
- 7 Can use addition, subtraction, multiplication, and division in base two and five
- 7 Can identify a prime number
- 7 Can prime factor a number
- 7 Can find the lowest common multiple of two numbers
- 7 Can find areas of parallelograms and trapezoids
- 7 Can find circumference and area of circles, using diameter and radius
- 8 Can find volume, lateral surface, and total surface area of rectangular prisms
- 7 Can compare rational numbers for order
- 8 Can determine mode, median, and mean for a set of data
- 7 Can find additive inverse for natural numbers
- 8 Can express numbers in scientific notation
- 8 Can add, subtract, multiply and divide numbers in scientific notation
- 8 Can identify an irrational number
- 8 Can solve story problems requiring the use of ratios or proportions
- 7 Can solve story problems requiring the use of statistics and probability

ELO Quick Assessments



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