

Test Standards & Benchmarks/Indicators

Test Key: M2 Mathematics 2

v. 1.2 Date Modified: 10/21/06
 Date Created: 08/29/03 Kirtland High School

STANDARDS:

- | | |
|---|--|
| 1. NUM: Number Sense, Operations | 5. DAT: Data Analysis & Probability |
| 2. MEA: Measurement | |
| 3. GEO: Geometry & Spatial Sense | |
| 4. PAT: Patterns, Functions, Algebra | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 NUM 1:[1] Use place value concepts with whole numbers
- 2,27 NUM 2:[3-4] Count money, make change, represent value of money
- 3,28 NUM 3:[5] Represent fractions using words and numerals
- 4,29 NUM 4:[6] Model, represent subtraction
- 5,30 NUM 5:[7-8] Model, represent multiplication, division
- 6,31 NUM 6:[9-10] Model use commutative property of addition; subtraction
- 7,32 NUM 7:[11] Add and subtract multiples of 10
- 8,33 NUM 8:[12] Use strategies to add, subtract 2- or 3-digit whole numbers
- 9,34 NUM 9:[13] Estimate results of whole number addition, subtraction
- 10,35 MEA 10:[1] Identify, select appropriate units for measuring
- 11,36 MEA 11:[2] Establish common referents for units of measure
- 12,37 MEA 12:[3] Compare relationships among units of measure
- 13,38 MEA 13:[4] Tell time to the nearest minute/digital, 5-min/analog
- 14,39 MEA 14:[5] Estimate, measure length, weight of common objects
- 15,40 MEA 15:[7] Make, test predictions about measurements
- 16,41 GEO 16:[1] Identify, compare, sort 3-d objects
- 17,42 GEO 17:[2] Predict new shapes from existing shapes
- 18,43 GEO 18:[3-4] Recognize 2-d shapes, 3-d objects; congruent, similar shapes
- 19,44 GEO 19:[5] Identify 2-d figures with line symmetry
- 20,45 PAT 20:[1-3] Extend simple number & object patterns
- 21,46 PAT 21:[5] Understand equivalence; extend to symbols
- 22,47 PAT 22:[6] Use symbols to represent unknown quantities (+ -)
- 23,48 DAT 23:[1-2] Collect, organize data in charts, pictures, bar graphs
- 24,49 DAT 24:[5] Identify untrue/inappropriate statements about data
- 25,50 DAT 25:[7] List/predict possible outcomes of simple experiment

Test Standards & Benchmarks/Indicators

Test Key: M3
Mathematics 3

v. 6.0

Date Modified: 10/21/06

Date Created: 08/12/03

Kirtland High School

STANDARDS:**1. NUM: Number Sense, Operations****2. MEA: Measurement****3. GEO: Geometry & Spatial Sense****4. PAT: Patterns, Functions, Algebra****5. DAT: Data Analysis & Probability****Ques# Benchmarks/Grade Level Indicators:**

1,26	NUM 1:[1] Identify, generate equivalent forms of whole numbers
2,27	NUM 2:[2-3] Use, compare place values in whole numbers & decimals
3,28	NUM 3:[4] Count money and make change to \$10
4,29	NUM 4:[5-7] Represent, compare fractions & mixed numbers
5,30	NUM 5:[8-9] Represent, explain multiplication & division
6,31	NUM 6:[10-11] Use relationships between operations; commutative, associative properties
7,32	NUM 7:[12] Add, subtract whole numbers w/wo regrouping
8,33	NUM 8:[13-14] Multiply, divide 2- & 3-digit by 1-digit numbers without remainders
9,34	NUM 9:[15] Evaluate reasonableness of computations
10,35	MEA 10:[1-2] Identify, select appropriate units for measuring
11,36	MEA 11:[3] Tell time to minute and elapsed time
12,37	MEA 12:[4] Read thermometer: Fahrenheit & Celsius scales
13,38	MEA 13:[5-7] Estimate length, weight, volume, perimeter, area
14,39	GEO 14:[1] Analyze, describe 2-d shapes & 3-d objects
15,40	GEO 15:[2] Identify relative size of angles; classify angles
16,41	GEO 16:[3] Find, name locations on a labeled grid
17,42	GEO 17:[4] Draw lines of symmetry to verify 2-d shapes
18,43	PAT 18:[1-3] Extend, analyze, use patterns, sequences
19,44	PAT 19:[4-7] Model problem situations using objects, symbols, tables
20,45	PAT 20:[5] Write, solve, explain simple math statements
21,46	PAT 21:[6] Express math equations & inequalities
22,47	DAT 22:[2-3] Draw, interpret picture graphs, bar graphs
23,48	DAT 23:[5-6] Match, translate set of data with graph, chart
24,49	DAT 24:[8] Identify/describe the mode of a data set
25,50	DAT 25:[10] Solve problems w/combinations of 2 to 4 objects

Test Standards & Benchmarks/Indicators

Test Key: M4 Mathematics 4

v. 1.9 Date Modified: 10/21/06
 Date Created: 04/24/05 Kirtland High School

STANDARDS:

- | | |
|---|--|
| 1. NUM: Number Sense, Operations | 5. DAT: Data Analysis & Probability |
| 2. MEA: Measurement | |
| 3. GEO: Geometry & Spatial Sense | |
| 4. PAT: Patterns, Functions, Algebra | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 NUM 1:[1~5]Identify, generate equivalent fractions, decimals; compare common fractions
- 2,27 NUM 2:[2-3]Use place value to compare whole numbers, decimals; round whole numbers
- 3,28 NUM 3:[4] Identify, represent factors and multiples of whole numbers, classify prime & composite numbers
- 4,29 NUM 4:[6] Use associative & distributive properties to simplify and perform computations
- 5,30 NUM 5:[7-8]Recognize division may be used to solve problems, interpret remainders; count money, make
- 6,31 NUM 6:[9] Estimate results of computations of whole numbers, fractions, decimals
- 7,32 NUM 7:[10] Add and subtract decimals and common fractions with like denominators
- 8,33 NUM 8:[12~14]Analyze and solve multi-step problems; demonstrate fluency w/1- & 2-digit numbers
- 9,34 MEA 9:[1~5]Relate number of units to size of units used to measure; make simple unit conversions
- 10,35 MEA 10:[2-3]Describe perimeter, area, volume; identify and select appropriate units to measure them
- 11,36 MEA 11:[4] Find perimeter, area, volume
- 12,37 MEA 12:[6] Solve, verify solutions to multi-step problems involving measurement
- 13,38 GEO 13:[1] Identify, describe intersecting, parallel, perpendicular lines & line segments
- 14,39 GEO 14:[3] Identify similarities and differences of quadrilaterals
- 15,40 GEO 15:[4] Identify, define triangles based on angle measures and side lengths
- 16,41 GEO 16:[5-6]Describe points, lines, planes; specify location and plot ordered pairs on coordinate plane
- 17,42 GEO 17:[7] Identify, use reflections, rotations, and translations in solving geometric problems
- 18,43 PAT 18:[1-2]Use models, words to describe, extend patterns & relationships; analyze patterns using words,
- 19,44 PAT 19:[3~6]Construct table of values to solve mathematical relationship; describe how one variable affects
- 20,45 PAT 20:[4] Use rules & variables to describe patterns and other relationships
- 21,46 PAT 21:[5] Represent mathematical relationships with equations or inequalities
- 22,47 DAT 22:[2-5]Represent and interpret data using tables, graphs, plots, Venn diagrams; compare, explain,
- 23,48 DAT 23:[6-8]Describe data range, clumps, holes; identify median; use range, median, mode, to compare data
- 24,49 DAT 24:[9-12]Conduct probability experiments, draw conclusions; represent likelihood of possible outcomes
- 25,50 DAT 25:[13] List & count possible combinations using 1 member from several sets, containing 2 or 3 members

Test Standards & Benchmarks/Indicators

**Test Key: M5
Mathematics 5**

v. 3.2

Date Modified: 10/21/06

Date Created: 03/24/04

Kirtland High School

STANDARDS:

- 1. NUM: Number Sense, Operations**
- 2. MEA: Measurement**
- 3. GEO: Geometry & Spatial Sense**
- 4. PAT: Patterns, Functions, Algebra**

- 5. DAT: Data Analysis & Probability**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 NUM 1:[1] Use ratios and percents
- 2,27 NUM 2:[2-3]Generate equivalent fractions, decimals, percents
- 3,28 NUM 3:[4~13]Round decimals, fractions; estimate whole numbers
- 4,29 NUM 4:[5] Identify perfect squares and their roots
- 5,30 NUM 5:[6] Compare numbers less than 0 using a number line
- 6,31 NUM 6:[7-9]Solve problems using properties, order of operations
- 7,32 NUM 7:[10-12]Add and subtract fractions and decimals
- 8,33 MEA 8:[1~7]Estimate, measure benchmark angles
- 9,34 MEA 9:[3~6]Determine/use formulas for perimeter, area, volume
- 10,35 MEA 10:[4-5]Convert/compute linear, square, cubic units
- 11,36 GEO 11:[1] Relationships in circles: radius, diameter, center, pi, etc.
- 12,37 GEO 12:[2-3]Use standard language to describe geometric parts
- 13,38 GEO 13:[4] Use properties of congruent figures to solve problems
- 14,39 GEO 14:[5] Determine sum of interior angles of triangles & quadrilaterals
- 15,40 GEO 15:[6] Use coordinate system to include negative numbers
- 16,41 GEO 16:[8] Predict 3-d object from 2-d net
- 17,42 PAT 17:[1~3]Justify rule for a pattern or function using a variable
- 18,43 PAT 18:[4] Interpret equations and inequalities
- 19,44 PAT 19:[5] Draw conclusions/predict from graphs and tables
- 20,45 PAT 20:[6] Describe how change in variable affects values
- 21,46 DAT 21:[1-2]Read/interpret/select various tables and graphs
- 22,47 DAT 22:[3-4] Read/interpret complex data displays
- 23,48 DAT 23:[6] Determine/use range, mean, median, mode
- 24,49 DAT 24:[7] List/explain possible outcomes in a given situation
- 25,50 DAT 25:[8-9]Identify probability of events, ratio between 0 and 1

Test Standards & Benchmarks/Indicators

**Test Key: M6
Mathematics 6**

v. 2.3

Date Modified: 10/21/06

Date Created: 04/24/05

Kirtland High School

STANDARDS:

- 1. NUM: Number Sense, Operations**
- 2. MEA: Measurement**
- 3. GEO: Geometry & Spatial Sense**
- 4. PAT: Patterns, Functions, Algebra**

- 5. DAT: Data Analysis & Probability**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 NUM 1:[1-2]Compose/decompose whole numbers using factors & exponents; find/use prime factorization
- 2,27 NUM 2:[4-15]Explain/determine a specific percent of a number and solve related problems
- 3,28 NUM 3:[5-9-14]Use models to relate concepts of ratio, proportion, percent; compare, use proportional
- 4,29 NUM 4:[7] Use simple expressions involving integers to represent and solve problems
- 5,30 NUM 5:[8-10] Represent multiplication, division involving fractions, decimals; fraction as a divisor
- 6,31 NUM 6:[11-12]Perform fraction, decimal computations; compute with fractions and decimals
- 7,32 NUM 7:[13] Estimate reasonable solutions to problems involving fractions and decimals
- 8,33 MEA 8:[1] Understand difference between surface area and volume
- 9,34 MEA 9:[2-3]Use strategies to find circumference, area of circles, sectors; estimate perimeter, circumference,
- 10,35 MEA 10:[4-5]Determine which measure matches context of problem; understand difference between perimeter
- 11,36 MEA 11:[6] Describe what happens to perimeter & area when measurements are changed
- 12,37 GEO 12:[1-3]Classify, describe 2-d & 3-d figures; classify triangles
- 13,38 GEO 13:[2] Use standard language to define geometric vocabulary as appropriate
- 14,39 GEO 14:[4] Identify, define relationships between planes
- 15,40 GEO 15:[5-6]Predict, describe 2-d sizes, positions, orientations after transformations; proportional relationships
- 16,41 GEO 16:[7] Build 3-d objects with cubes, sketch 2-d representations of each side
- 17,42 PAT 17:[1-2]Analyze patterns, rules, functions using physical materials, tables, graphs
- 18,43 PAT 18:[3-4]Recognize, generate equivalent forms of algebraic expressions; solve simple linear equations,
- 19,44 PAT 19:[5] Interpret graphs that represent the relationship between two variables
- 20,45 PAT 20:[6] Evaluate simple expressions by replacing variables with given values, and use formulas
- 21,46 PAT 21:[7] Identify, describe constant or varying rates of change, compare them
- 22,47 DAT 22:[1-2]Read, interpret line graphs, circle graphs, histograms; select, use appropriate graphical
- 23,48 DAT 23:[3] Compare representations of the same data in different types of graphs
- 24,49 DAT 24:[4-5]Understand measures or center and spread; describe frequency distribution in histogram or table
- 25,50 DAT 25:[6] Make logical inferences from statistical data

Test Standards & Benchmarks/Indicators

**Test Key: M7
Mathematics 7**

v. 1.6

Date Modified: 10/21/06

Date Created: 06/17/03

Kirtland High School

STANDARDS:

- 1. NUM: Number Sense, Operations**
- 2. MEA: Measurement**
- 3. GEO: Geometry & Spatial Sense**
- 4. PAT: Patterns, Functions, Algebra**

- 5. DAT: Data Analysis & Probability**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 NUM 1:[1~3]Use place values, scientific notation; rational & irrational numbers
- 2,27 NUM 2:[7] Solve problems using appropriate form: fraction, decimal, percent
- 3,28 NUM 3:[4~6]Use order of operations for computation and problem solving
- 4,29 NUM 4:[5~8]Analyze and use algorithms for integers, fractions, decimals and percents
- 5,30 NUM 5:[2~9]Solve problems using absolute value, exponents, square roots
- 6,31 MEA 6:[1-2]Select/convert appropriate units of measurement
- 7,32 MEA 7:[3~5]Estimate measurement; choose measurement strategies
- 8,33 MEA 8:[4] Use proportional relationships and scale factors
- 9,34 MEA 9:[6-7]Use strategies/formulas for area/volume
- 10,35 MEA 10:[8-9]Differentiate between surface area and volume and how changes effect them
- 11,36 GEO 11:[1~6]Use proportional reasoning and scale factors with congruent and similar figures
- 12,37 GEO 12:[2~4]Determine properties of 2- and 3- dimensional figures/objects
- 13,38 GEO 13:[3~5]Understand properties of triangles: side lengths, angles
- 14,39 GEO 14:[7-8]Identify line and rotation symmetries of 2-d figures
- 15,40 GEO 15:[9] Determine 3-d geometric objects from different views
- 16,41 PAT 16:[1-3]Analyze, generalize, and recognize, patterns rules, and functions
- 17,42 PAT 17:[5-6]Plot linear equations and inequalities
- 18,43 PAT 18:[4] Solve equations using models of inverse operations
- 19,44 PAT 19:[7] Justify equivalent and simplified forms of algebraic expressions
- 20,45 PAT 20:[8-9]Use formulas and variables in problem solving
- 21,46 PAT 21:[10] Analyze linear and simple non-linear relationships
- 22,47 DAT 22:[1-2]Read/interpret/analyze various plots and graphs
- 23,48 DAT 23:[3-4]Analyzing data using measures of center, spread, and graphical representations
- 24,49 DAT 24:[5-6]Compare data samples & identify misuses of statistical data
- 25,50 DAT 25:[7-8]Compute probabilities of compound events & make predictions

Test Standards & Benchmarks/Indicators

**Test Key: M8
Mathematics 8**

v. 1.7

Date Modified: 10/21/06

Date Created: 06/17/03

Kirtland High School

STANDARDS:

- 1. NUM: Number Sense, Operations**
- 2. MEA: Measurement**
- 3. GEO: Geometry & Spatial Sense**
- 4. PAT: Patterns, Functions, Algebra**

- 5. DAT: Data Analysis & Probability**

Benchmarks/Grade Level Indicators:

Ques#

- 1,26 NUM 1:[1~8]Use scientific notation between 0-1 & to + - x /
- 2,27 NUM 2:[2] Recognize natural & whole numbers, integers, rational & irrational numbers
- 3,28 NUM 3:[3-4]Use order of operations to simplify expressions; use inverse and identity properties, relationships
- 4,29 NUM 4:[5-6]Estimate, compute, solve problems w/rational numbers
- 5,30 NUM 5:[7] Find/approximate square root of integers
- 6,31 MEA 6:[1-2]Compare US customary & metric units
- 7,32 MEA 7:[4-5]Find surface area and volume of various figures
- 8,33 MEA 8:[6-7]Solve problems w/rates, velocity, density
- 9,34 MEA 9:[8] Find sum of interior/exterior angles of regular polygons
- 10,35 MEA 10:[9-10]Use formulas to determine surface area & volume various figures
- 11,36 GEO 11:[1~5]Use properties of 2-d & 3-d figures in translations
- 12,37 GEO 12:[2~6]Recognize intersecting and transverse angles; nets
- 13,38 GEO 13:[3] Use proportions to solve problems w/similar figures.
- 14,39 GEO 14:[4] Represent/analyze shapes using coordinate geometry
- 15,40 PAT 15:[1~3~7]Relate relationships to table/ graph/ symbols
- 16,41 PAT 16:[2] Generalize patterns/sequences to find the nth term
- 17,42 PAT 17:[8-9]Simplify/evaluate algebraic expressions; solve linear equations
- 18,43 PAT 18:[10-11]Solve 2 by 2 systems of linear equations
- 19,44 PAT 19:[12] Solve simple quadratic equations graphically
- 20,45 PAT 20:[13~15]Compute/compare slope, midpoint, distance
- 21,46 DAT 21:[1~6~9]Use/interpret various plots and graphs
- 22,47 DAT 22:[2-3]Evaluate different graphical representations of the same data
- 23,48 DAT 23:[4-5]Compare sets of data using measures of center & spread
- 24,49 DAT 24:[10] Calculate possible outcomes for a situation
- 25,50 DAT 25:[11] Demonstrate probability of various events

Test Standards & Benchmarks/Indicators

**Test Key: M9
Mathematics 9**

v. 1.8

Date Modified: 10/21/06

Date Created: 08/25/05

Kirtland High School

STANDARDS:

- 1. NUM: Number Sense, Operations**
- 2. MEA: Measurement**
- 3. GEO: Geometry & Spatial Sense**
- 4. PAT: Patterns, Functions, Algebra**

- 5. DAT: Data Analysis & Probability**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,25 NUM 1:[2] Compare equivalent forms for rational/irrational numbers
- 2,26 NUM 2:[4] Compute using real numbers
- 3,27 NUM 3:[5] Estimate solutions involving square & cube roots
- 4,28 MEA 4:[1~5] Convert rates & unit conversion
- 5,29 MEA 5:[3] Use ratio in similar 2-d & 3-d figures
- 6,30 MEA 6:[4] Use scale drawings & right angle trigonometry
- 7,31 GEO 7:[2] Apply proportions & rt. angl. trig. ratios in figures
- 8,32 GEO 8:[3] Analyze 2-d & 3-d figures in coordinate plane
- 9,33 PAT 9:[1] Define functions with ordered pairs
- 10,34 PAT 10:[2-3] Generalize patterns using function/relationships
- 11,35 PAT 11:[4] Demonstrate relationship: 0s of function, roots of equations
- 12,36 PAT 12:[6] Use equivalent forms of equations and inequalities
- 13,37 PAT 13:[8] Find linear equations that represent lines
- 14,38 PAT 14:[9] Solve/interpret 2 by 2 systems of linear equations
- 15,39 PAT 15:[10] Solve quadratic equations with real roots
- 16,40 PAT 16:[11] Add, subtract, multiply, divide monomials & polynomials
- 17,41 PAT 17:[12] Simplify rational expressions
- 18,42 PAT 18:[15] Describe how change in value of constant affects graph
- 19,43 DAT 19:[1] Describe data: univariate/bivariate & qualitative/quantitative
- 20,44 DAT 20:[2~6] Interpret/infer relationships in bivariate data
- 21,45 DAT 21:[3] Analyze/interpret frequency distributions
- 22,46 DAT 22:[7] Use counting techniques to determine possible outcomes
- 23,47 DAT 23:[8] Analyze sample space & calculate probability
- 24,48 DAT 24:[9] Identify independent/dependent events

Test Standards & Benchmarks/Indicators

**Test Key: M10
Mathematics 10**

v. 3.5

Date Modified: 10/21/06

Date Created: 11/13/03

Kirtland High School

STANDARDS:

- 1. NUM: Number Sense, Operations**
- 2. MEA: Measurement**
- 3. GEO: Geometry & Spatial Sense**
- 4. PAT: Patterns, Functions, Algebra**

- 5. DAT: Data Analysis & Probability**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 NUM 1: [A~I]Use scientific notation; solve problems w/exponents
- 2,27 NUM 2: [D]Connect representations of integers, rational & irrational numbers
- 3,28 NUM 3: [E]Compare, order, determine equivalent forms
- 4,29 NUM 4: [G~C]Estimate and compute with real numbers
- 5,30 NUM 5: [H]Find square roots and approximate square roots
- 6,31 MEA 6: [B]Use formulas for surface area, volume of 3-d objects
- 7,32 MEA 7: [C]Apply indirect measurement/formulas to perimeter, area
- 8,33 MEA 8: [D]Use proportional reasoning: triangles, rates
- 9,34 MEA 9: [E]Estimate, compute length, angles, area, volume
- 10,35 MEA 10: [F]Solve multi-step problems: money, time, temperature
- 11,36 GEO 11: [B]Apply properties of similar & congruent figures
- 12,37 GEO 12: [C]Apply angle relationships in intersecting, parallel lines
- 13,38 GEO 13: [D~A]Examine properties of geometric figures
- 14,39 GEO 14: [F]Represent, model transformations in coordinate plane
- 15,40 GEO 15: [I]Use right triangle relationships to determine lengths and angles
- 16,41 PAT 16: [A]Explain patterns and sequences to find nth term
- 17,42 PAT 17: [C]Translate words, table, graph, equations to other representations
- 18,43 PAT 18: [D]Use algebraic representations to solve problems
- 19,44 PAT 19: [E]Analyze, compare functions and graphs
- 20,45 PAT 20: [F~H]Solve/graph linear equations and inequalities
- 21,46 PAT 21: [G]Solve quadratic equations with real roots
- 22,47 DAT 22: [A]Interpret graphical displays and statistical measures
- 23,48 DAT 23: [D~C]Find, use measures of center and spread
- 24,49 DAT 24: [J~H]Compute probability of events
- 25,50 DAT 25: [K~E]Make predictions based on theoretical probability and experimental results

Test Standards & Benchmarks/Indicators

Test Key: R2
Reading 2

v. 1.2

Date Modified: 10/21/06

Date Created: 05/21/04

Kirtland High School

STANDARDS:

1. PHO: Phonemic Awareness
2. VOC: Vocabulary Acquisition
3. PRO: Process: Print, Strategies
4. INF: Informational Text

5. LIT: Literary Text**Ques# Benchmarks/Grade Level Indicators:**

- | | |
|-------|---|
| 19,40 | PHO 1:[1] Identify rhyming words with same or different spelling patterns. |
| 18,42 | PHO 2:[2-3] Read multi-syllable words, blend phonemes and syllables. |
| 20,41 | PHO 3:[5-6] Segment letter, blends, syllables, beginning and ending sounds. |
| 11,21 | PHO 4:[7] Identify words with short- or long-vowel sounds. |
| 9,30 | VOC 5:[1] Use word order and context clues to define words. |
| 31,37 | VOC 6:[2] Identify words with similar and opposite meanings. |
| 10,13 | VOC 7:[3] Classify words into categories. |
| 12,43 | VOC 8:[6-7] Determine meaning of compound words, contractions. |
| 32,44 | VOC 9:[8-9] Determine meaning using word parts, root words. |
| 7,29 | PRO 10:[1] Establish a purpose for reading. |
| 2,24 | PRO 11:[2] Predict content, events, outcomes. |
| 1,25 | PRO 12:[4] Summarize text by recalling main ideas, details. |
| 14,33 | INF 13:[1] Use table of contents, glossary, illustrations, etc. |
| 15,16 | INF 14:[2] Arrange events in sequential order. |
| 17,34 | INF 15:[4] Classify main ideas or supporting details. |
| 35,36 | INF 16:[5] Identify information in diagrams, charts, graphs, maps. |
| 38,39 | INF 17:[6] Analyze a set of directions for proper sequencing. |
| 3,22 | LIT 18:[2] Describe characters and setting. |
| 4,23 | LIT 19:[3] Retell the plot of a story. |
| 6,26 | LIT 20:[4] Distinguish stories, poems, plays, fairy tales, fables. |
| 8,27 | LIT 21:[5] Identify words from text that appeal to the senses. |
| 5,28 | LIT 22:[6] Identify the theme of a text. |

Test Standards & Benchmarks/Indicators

Test Key: R3
Reading 3

v. 5.6 Date Modified: 10/21/06
Date Created: 05/02/04 Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary Acquisition**
- 2. PRO: Process: Print, Strategies**
- 3. INF: Informational Text**
- 4. LIT: Literary Text**

Ques# **Benchmarks/Grade Level Indicators:**

- 13,32 VOC 1:[1-2]Determine meaning through context clues
- 4,8 VOC 2:[3-4]Apply meaning of synonyms antonyms; sight words
- 1,3 VOC 3:[5-6]Identify meaning through compound words, contractions, abbreviations
- 2,29 VOC 4:[7-8]Identify meaning through word parts
- 5,17 VOC 5:[9] Determine meaning, pronunciation using resources
- 9,18 PRO 6:[1] Establish purpose for reading
- 10,36 PRO 7:[2] Predict using titles, headers, illustrations, etc.
- 16,19 PRO 8:[3-4]Compare, contrast; summarize information
- 23,34 PRO 9:[5] Make inferences regarding events and possible outcomes
- 11,25 PRO 10:[7] Answer comprehension questions.
- 12,24 INF 11:[1] Locate information using table of contents, chapter headings, etc.
- 22,26 INF 12:[2] List questions about essential elements & identify answers
- 6,28 INF 13:[3] Identify central ideas and supporting details
- 7,27 INF 14:[4-5]Draw conclusions from charts, graphs, etc.; analyze directions
- 15,35 LIT 15:[1-2]Recognize similarities/differences of plot; describe characters & setting
- 20,37 LIT 16:[3] Retell the plot sequence
- 14,38 LIT 17:[4] Identify characteristics of literary forms & genres
- 21,33 LIT 18:[5~7]Explain choice of words to appeal to senses, feelings
- 30,31 LIT 19:[6] Identify stated and implied themes

Test Standards & Benchmarks/Indicators

Test Key: R4
Reading 4

v. 4.0

Date Modified: 10/21/06

Date Created: 04/16/04

Kirtland High School

STANDARDS:

1. VOC: Vocabulary Acquisition
2. PRO: Process: Print, Strategies
3. INF: Informational Text
4. LIT: Literary Text

Ques# Benchmarks/Grade Level Indicators:

4,42	VOC 1:[1-2] Use context clues to determine meaning
17,27	VOC 2:[6~8] Identify meaning through word origins, abbreviations
23,29	VOC 3:[7] Identify meaning through word parts
31,39	VOC 4:[9] Determine meaning by using various resources
25,47	PRO 5:[1] Establish purposes for reading
26,36	PRO 6:[2] Predict using vocabulary, structure, plot
16,24	PRO 7:[3] Compare and contrast information
2,15	PRO 8:[4] Summarize important information
33,48	PRO 9:[5] Make inferences or draw conclusions
40,43	PRO 10:[7] Answer literal questions
20,21	INF 11:[1] Make inferences from title page, table of contents, chapter headings
13,44	INF 12:[2] Summarize main idea in informational text
14,46	INF 13:[3] Locate important details using different sources
22,45	INF 14:[4] Identify examples of cause and effect
18,19	INF 15:[5] Draw conclusions from maps, charts, graphs, etc.
49,50	INF 16:[6] Clarify steps in a set of instructions or procedures
28,41	INF 17:[7] Distinguish fact from opinion
6,35	LIT 18:[1] Describe thoughts, words, interactions of characters
3,34	LIT 19:[2] Identify influence of setting
5,32	LIT 20:[3] Identify main incidents of plot sequence
9,11	LIT 21:[4] Identify speaker; first- and third-person narrative
12,30	LIT 22:[5] Determine theme; implied or directly stated
1,10	LIT 23:[6] Identify characteristics of literary forms & genres
8,37	LIT 24:[7] Explain choice of words to appeal to senses, mood
7,38	LIT 25:[8] Identify figurative language--similes, metaphors, idioms

Test Standards & Benchmarks/Indicators

Test Key: R5
Reading 5

Date Modified: 10/21/06

v. 3.1

Date Created: 06/16/04

Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary Acquisition**
- 2. PRO: Process: Print, Strategies**
- 3. INF: Informational Text**
- 4. LIT: Literary Text**

Ques# **Benchmarks/Grade Level Indicators:**

- 3,14 VOC 1:[1-2] Use context clues to determine meaning
- 42,43 VOC 2:[3] Identify connotation & denotation
- 33,37 VOC 3:[5-7] Use word origins to determine meaning, abbreviations
- 13,32 VOC 4:[6] Apply word parts to analyze meaning
- 19,36 PRO 5:[1] Establish/adjust purposes for reading
- 1,30 PRO 6:[2] Predict and support predictions
- 24,44 PRO 7:[4] Summarize information in texts
- 15,40 PRO 8:[5] Make inferences, provide justifications
- 17,26 PRO 9:[7] Answer literal questions
- 28,29 INF 10:[1] Use text features to locate information
- 12,31 INF 11:[2] Identify, distinguish cause and effect
- 18,35 INF 12:[3] Compare important details about a topic
- 16,34 INF 13:[4] Summarize main ideas and supporting details
- 38,39 INF 14:[5] Analyze maps, charts, tables, graphs, diagrams
- 21,22 INF 15:[6-8] Clarify steps in instructions; relevant/irrelevant information
- 20,41 INF 16:[7] Analyze difference between fact and opinion
- 2,4 LIT 17:[1] Explain character thoughts, words, actions, motivation
- 10,47 LIT 18:[2] Explain the influence of setting on the selection
- 5,45 LIT 19:[3] Identify main incidents of plot sequence influence future
- 7,25 LIT 20:[4] Identify speaker, explain point of view affects text
- 6,23 LIT 21:[5] Summarize stated and implied themes
- 11,27 LIT 22:[6] Describe characteristics of literary forms, genres
- 8,48 LIT 23:[7] Interpret author's choice of words; appeals to senses, mood
- 9,46 LIT 24:[8] Identify, explain figurative language

Test Standards & Benchmarks/Indicators

Test Key: R6
Reading 6

Date Modified: 10/21/06
v. 1.5 Date Created: 04/25/05 Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary Acquisition**
- 2. PRO: Process: Print, Strategies**
- 3. INF: Informational Text**
- 4. LIT: Literary Text**

Ques# **Benchmarks/Grade Level Indicators:**

- 8,28 VOC 1:[1] Use context clues, definition, restatement, example
- 38,46 VOC 2:[2] Apply connotation & denotation to determine meaning
- 19,39 VOC 3:[4] Identify analogies, synonyms, antonyms to determine meaning
- 18,27 VOC 4:[5~7] Recognize words from other languages; symbols, acronyms
- 9,47 VOC 5:[6] Apply knowledge of prefixes, suffixes, roots to analyze meaning
- 11,42 PRO 6:[1] Establish, adjust purposes for reading
- 1,34 PRO 7:[2] Predict, hypothesize from information in the text
- 12,15 PRO 8:[3] Summarize information in text
- 2,10 PRO 9:[6a] Answer literal comprehension questions
- 21,41 PRO 10:[6b] Answer inferential comprehension questions
- 5,33 INF 11:[1] Use text features to locate information
- 4,16 INF 12:[2] Analyze examples of cause/effect, fact/opinion
- 7,17 INF 13:[3] Compare/contrast details using sources of information
- 3,35 INF 14:[4~8] Compare original text to summary; summarize
- 13,36 INF 15:[5] Analyze maps, charts, tables, graphs, etc.
- 14,37 INF 16:[6] Identify author's argument or viewpoint, details
- 6,20 INF 17:[7] Identify author's purpose for writing
- 22,43 LIT 18:[1] Analyze techniques to describe characters, point of view
- 23,32 LIT 19:[2] Analyze features of setting, importance
- 24,31 LIT 20:[3] Identify major & minor events in plot
- 21,48 LIT 21:[4] Explain points of view, voice
- 26,40 LIT 22:[5] Identify recurring themes, patterns, symbols
- 30,44 LIT 23:[6] Explain characteristics of literary forms, genres
- 29,45 LIT 24:[7] Distinguish how author establishes mood

Test Standards & Benchmarks/Indicators

Test Key: R7
Reading 7

Date Modified: 10/21/06

v. 3.0

Date Created: 06/17/03

Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary Acquisition**
- 2. PRO: Process: Print, Strategies**
- 3. INF: Informational Text**
- 4. LIT: Literary Text**

Benchmarks/Grade Level Indicators:

Ques#

- 18,27 VOC 1:[1] Use context clues, comparison, contrast, definition
- 17,45 VOC 2:[2] Apply connotation & denotation to determine meaning
- 19,44 VOC 3:[4] Interpret similes and metaphors
- 10,46 VOC 4:[5-6] Recognize words from other languages; roots, affixes
- 14,15 VOC 5:[7] Use knowledge of symbols & acronyms
- 16,42 PRO 6:[1] Establish purposes for reading
- 26,30 PRO 7:[2] Predict from information in the text
- 7,40 PRO 8:[3] Make comparisons across text
- 8,35 PRO 9:[4] Summarize information in text
- 11,12 PRO 10:[6a] Answer literal comprehension questions
- 9,43 PRO 11:[6b] Answer inferential comprehension questions
- 25,36 INF 12:[2] Analyze cause/effect, fact/opinion
- 13,37 INF 13:[3] Compare/contrast sources of information
- 38,39 INF 14:[4] Compare original text to summary
- 20,21 INF 15:[5] Analyze maps, charts, tables, graphs, etc.
- 24,42 INF 16:[6] Analyze accuracy of details, techniques
- 22,23 INF 17:[7] Identify author's purpose, viewpoint
- 31,32 LIT 18:[1] Explain interactions & conflicts
- 1,2 LIT 19:[2] Analyze features of setting
- 3,4 LIT 20:[3] Identify major & minor events in plot
- 5,34 LIT 21:[4] Identify/compare points of view
- 6,33 LIT 22:[6] Explain literary forms & genres
- 28,29 LIT 23:[7] Interpret how mood or meaning is conveyed

Test Standards & Benchmarks/Indicators

Test Key: R8
Reading 8

v. 2.9 Date Modified: 10/21/06
Date Created: 06/18/03 Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary Acquisition**
- 2. PRO: Process: Print, Strategies**
- 3. INF: Informational Text**
- 4. LIT: Literary Text**

Ques# **Benchmarks/Grade Level Indicators:**

- 28,43 VOC 1:[1] Use context clues
- 6,35 VOC 2:[2-3] Infer word meanings through relationships.
- 3,44 VOC 3:[4] Infer literal & figurative meaning of words
- 7,45 VOC 4:[5] Examine events that change language
- 20,46 VOC 5:[6] Use knowledge of roots, prefixes, suffixes
- 10,36 PRO 6:[1] Make predictions/inferences/draw conclusions
- 5,21 PRO 7:[2a] Answer literal comprehension questions.
- 2,8 PRO 8:[2b] Answer inferential comprehension questions.
- 22,37 INF 9:[2] Identify organizational structure of a text.
- 23,24 INF 10:[4] Analyze maps, charts, tables, graphs, etc.
- 25,38 INF 11:[5] Analyze accuracy of details, techniques
- 4,39 INF 12:[6] Identify author's purpose, audience
- 1,40 INF 13:[7] Analyze author's argument, viewpoint
- 26,41 INF 14:[8] Recognize facts, inferences, opinions
- 27,42 INF 15:[9] Distinguish consumer materials, documents
- 12,29 LIT 16:[1] Identify types of characters
- 14,15 LIT 17:[2] Analyze influence of setting
- 9,16 LIT 18:[3] Explain action, subplots, climax
- 17,30 LIT 19:[4] Compare/contrast points of view, voice
- 11,13 LIT 20:[5-6] Identify/explain themes/choice of genre
- 18,19 LIT 21:[7] Identify foreshadowing and flashback
- 31,32 LIT 22:[8] Explain how mood and tone are conveyed
- 33,34 LIT 23:[9] Examine symbols used in literary text

Test Standards & Benchmarks/Indicators

Test Key: R9
Reading 9

Date Modified: 10/21/06
v. 1.1 Date Created: 08/25/05 Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary Acquisition**
- 2. PRO: Process: Print, Strategies**
- 3. INF: Informational Text**
- 4. LIT: Literary Text**

Ques# **Benchmarks/Grade Level Indicators:**

- 17,36,4 VOC 1:[1] Use context clues; comparison/contrast, cause/ effect
- 11,42 VOC 2:[2] Analyze relationships of pairs of words
- 9,34 VOC 3:[3] Infer literal & figurative meaning of words
- 19,44 VOC 4:[4] Examine events that influence language
- 8,20,27 VOC 5:[5] Use knowledge of roots, prefixes, suffixes
- 12,13 PRO 6:[1] Make predictions/inferences/draw conclusions
- 33,46 PRO 7:[2] Answer literal comprehension questions
- 10,45 PRO 8:[2] Answer inferential comprehension questions
- 6,16 INF 9:[1] Identify organizational patterns
- 21,40 INF 10:[3] Analyze maps, charts, tables, graphs, etc.
- 7,14,41 INF 11:[4] Analyze accuracy of details, techniques
- 5,18 INF 12:[5] Analyze implicit/explicit argument, viewpoint
- 1,4,15 INF 13:[6] Analyze development of key points in argument, viewpoint
- 2,3 INF 14:[8] Identify features of rhetorical devices used
- 29,31 LIT 15:[1] Identify direct and indirect characterization
- 25,28 LIT 16:[2] Analyze influence of setting
- 26,38 LIT 17:[3] Identify use of conflicts, parallel plots/subplots
- 32,35 LIT 18:[4] Evaluate point of view
- 22,39 LIT 19:[5-6] Analyze how genre affects topic/theme
- 24,30 LIT 20:[7] Explain use of foreshadowing/flashback
- 23,37 LIT 21:[8] Define/Identify types of irony used

Test Standards & Benchmarks/Indicators

Test Key: R10
Reading 10

v. 3.4 Date Modified: 10/21/06
Date Created: 11/26/03 Kirtland High School

STANDARDS:

- 1. VOC: Vocabulary**
- 2. PRO: Reading Process**
- 3. INF: Information, Technical, Persuasive Text**
- 4. LIT: Literary Text**

Ques# **Benchmarks/Grade Level Indicators:**

- 17,20,3 VOC 1: [A]Use context clues and text structures
- 11,42 VOC 2: [B]Examine relationships of analogical statements
- 9,43 VOC 3: [C]Recognize figurative language
- 19,44 VOC 4: [D]Explain events that influenced English language
- 8,27,30 VOC 5: [E]Apply knowledge of roots, affixes
- 12,13,2 PRO 6: [A]Apply reading comprehension strategies
- 6,24,46 PRO 7: [B]Demonstrate literal comprehension
- 7,34,45 PRO 8: [B]Demonstrate inferential comprehension.
- 16,28 PRO 9: [Be]Demonstrate evaluative (critical) comprehension
- 22,40 INF 10: [A]Evaluate features used to achieve purpose
- 14,29,4 INF 11: [B]Identify rhetorical devices, author's purpose
- 18,26 INF 12: [C]Analyze author's use of graphics
- 15,21,2 INF 13: [D]Analyze author appeal, argument, viewpoint
- 2,3 LIT 14: [A]Analyze character interactions, plot
- 10,31 LIT 15: [B]Analyze choice of setting, point of view
- 4,33 LIT 16: [C]Identify structural elements of plot, conflicts
- 5,37,38 LIT 17: [E]Analyze genre use to express theme or topic
- 32,35 LIT 18: [F]Identify/analyze figurative language, devices, tone
- 1,39 LIT 19: [G]Explain techniques used to develop style

Test Standards & Benchmarks/Indicators

Test Key: S2
Science 2

v. 1.0 Date Modified: 11/08/06
Date Created: 11/08/06 Kirtland High School

STANDARDS:

- | | |
|--|--|
| 1. EART: Earth and Space Sciences | 5. INQU: Scientific Inquiry |
| 2. LIFE: Life Sciences | 6. KNOW: Scientific Ways of Knowing |
| 3. PHYS: Physical Sciences | |
| 4. TECH: Science and Technology | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,16 EART 1:[2-3]Describe sun, moon, stars movement, appearance
- 2,17 EART 2:[4] Describe weather changes, seasons
- 3,18 EART 3:[5] Describe weather by measurable quantities
- 4,19 LIFE 4:[1~5] Explain basic needs of animals and plants, energy
- 5,20 LIFE 5:[2-3]Identify distinct environments; organism survival
- 6,21 LIFE 6:[6] Investigate structures of plants and animals
- 7,22 LIFE 7:[7] Compare habitats, activities of Ohio plants, animals
- 8,23 LIFE 8:[8-9]Compare seasonal activites of Ohio plants and animals
- 9,24 PHYS 9:[1~3]Explore how things make sound, how light travels
- 10,25 PHYS 10:[2] Explore, describe sounds by vibrating objects
- 11,26 TECH 11:[1~3]Explain, predict benefits/risks of new technology, products
- 12,27 INQU 12:[1-2]Ask, explore "How..." questions in appropriate situations
- 13,28 INQU 13:[4~7]Use appropriate safety procedures, tools, equipment
- 14,29 INQU 14:[9] Use whole numbers to order, count, measure, etc.
- 15,30 KNOW 15:[1~4]Describe scientific investigations, teams, sharing

Test Standards & Benchmarks/Indicators

Test Key: S3
Science 3

v. 4.2 Date Modified: 10/21/06
Date Created: 06/05/04 Kirtland High School

STANDARDS:

- | | |
|--|--|
| 1. EART: Earth and Space Sciences | 5. INQU: Scientific Inquiry |
| 2. LIFE: Life Sciences | 6. KNOW: Scientific Ways of Knowing |
| 3. PHYS: Physical Sciences | |
| 4. TECH: Science and Technology | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,19 EART 1:[1-2]Compare properties of rocks/layers
- 2,20 EART 2:[3] Describe how smaller rocks come from larger rocks
- 3,21 EART 3:[4] Describe composition of soil
- 4,22 EART 4:[5-6]Investigate properties of soil/layers.
- 5,23 LIFE 5:[1] Compare life cycles of different animals
- 6,24 LIFE 6:[2] Relate animal structures to survival functions
- 7,25 LIFE 7:[3] Classify animals according to their characteristics
- 8,26 LIFE 8:[4-5]Explain extinct organisms & fossil evidence
- 9,27 LIFE 9:[6] Describe results of changes in organism’s habitat
- 10,28 PHYS 10:[1-2]Describe an object’s relative position/motion.
- 11,29 PHYS 11:[3-4]Identify forces that affect motion/predict change
- 12,30 TECH 12:[1] Describe how technology extends human abilities
- 13,31 TECH 13:[2-3]Describe results of technology
- 14,32 TECH 14:[5] Describe possible solutions to a design problem
- 15,33 INQU 15:[1~4]Select appropriate tools & safety procedures
- 16,34 INQU 16:[2-3] Discuss observations, measurements, tables, graphs
- 17,35 KNOW 17:[1~3]Describe investigations of scientists, contributions
- 18,36 KNOW 18:[4-5]Identify/discuss careers in science

Test Standards & Benchmarks/Indicators

Test Key: S4 Science 4

Date Modified: 10/21/06

v. GLI

Date Created: 04/25/05

Kirtland High School

STANDARDS:

- 1. EART: Earth and Space Sciences**
- 2. LIFE: Life Sciences**
- 3. PHYS: Physical Sciences**
- 4. TECH: Science and Technology**

- 5. INQU: Scientific Inquiry**
- 6. KNOW: Scientific Ways of Knowing**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,21 EART 1:[1] Explain air, wind, barometric pressure
- 2,22 EART 2:[2-3] Identify how water exists in air, forms, states
- 3,23 EART 3:[4~7] Describe weather by measurable quantities, clouds
- 4,24 EART 4:[5-6] Describe weather changes, patterns
- 5,25 EART 5:[8-10] Describe erosion, weathering, processes
- 6,26 LIFE 6:[1-2] Compare life cycles of plants, structures
- 7,27 LIFE 7:[3] Classify common plants by characteristics
- 8,28 LIFE 8:[4] Observe, explore fossil evidence
- 9,29 LIFE 9:[5] Describe how organisms interact with one another
- 10,30 PHYS 10:[1] Identify characteristics of simple physical change
- 11,31 PHYS 11:[2] Identify characteristics of simple chemical change
- 12,32 PHYS 12:[3~5] Describe objects by properties, how temperatures can be changed
- 13,33 PHYS 13:[4] Explain that matter has different states
- 14,34 TECH 14:[1] Explain how technology has improved human life
- 15,35 TECH 15:[2] Investigate how technology changes to meet needs and wants
- 16,36 INQU 16:[1] Select appropriate tools/use safety procedures to measure
- 17,37 INQU 17:[2] Analyze series of events/daily or seasonal cycles
- 18,38 INQU 18:[4-5] Explain importance of conditions in experiments
- 19,39 KNOW 19:[1] Differentiate fact from opinion, confirmed observations
- 20,40 KNOW 20:[3-4] Explain discrepancies in an investigation, importance of records

Test Standards & Benchmarks/Indicators

Test Key: S5
Science 5

v. 2.2 Date Modified: 10/21/06
Date Created: 06/15/04 Kirtland High School

STANDARDS:

- | | |
|--|--|
| 1. EART: Earth and Space Sciences | 5. INQU: Scientific Inquiry |
| 2. LIFE: Life Sciences | 6. KNOW: Scientific Ways of Knowing |
| 3. PHYS: Physical Sciences | |
| 4. TECH: Science and Technology | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,21 EART 1:[1-2]Describe Earth rotation, planets/moon orbits
- 2,22 EART 2:[3] Describe characteristics of Earth
- 3,23 EART 3:[4] Explain stars are like the sun, but far away
- 4,24 EART 4:[5-6]Explain supply of non-renewable & renewable resources
- 5,25 LIFE 5:[1] Describe role of producers in transfer of energy
- 6,26 LIFE 6:[2-3]Explain animal foods traced to plants; food chain, web
- 7,27 LIFE 7:[4-6]Summarize organisms survival, behavior in ecosystem
- 8,28 PHYS 8:[1-2] Define temperature; trace thermal energy transfer
- 9,29 PHYS 9:[3-4]Describe electrical current; trace a simple circuit
- 10,30 PHYS 10:[5] Explore transmission, bending, absorption of light
- 11,31 PHYS 11:[6-7]Describe transmission, reflection, absorption of sound; vibration, pitch
- 12,32 TECH 12:[1] Investigate impact of human activity & technology on environment
- 13,33 TECH 13:[2-3]Revise design; explain solution may create another problem
- 14,34 INQU 14:[1] Select and safely use appropriate tools
- 15,35 INQU 15:[2~6]Evaluate observations, discrepancies, results
- 16,36 INQU 16:[4] Identify one or two variables in a simple experiment
- 17,37 INQU 17:[5] Identify potential hazards/precautions in an investigation
- 18,38 KNOW 18:[1] Summarize how conclusions and ideas change
- 19,39 KNOW 19:[3-4]Explain why an experiment must be repeated; different investigations
- 20,40 KNOW 20:[6] Identify a variety of scientific and technological work

Test Standards & Benchmarks/Indicators

Test Key: S6 Science 6

Date Modified: 10/21/06

v. GLI

Date Created: 04/25/05

Kirtland High School

STANDARDS:

- 1. EART: Earth and Space Sciences**
- 2. LIFE: Life Sciences**
- 3. PHYS: Physical Sciences**
- 4. TECH: Science and Technology**

- 5. INQU: Scientific Inquiry**
- 6. KNOW: Scientific Ways of Knowing**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,21 EART 1:[1] Describe rock cycle, properties
- 2,22 EART 2:[2-3] Explain rocks are made of minerals; identify minerals
- 3,23 LIFE 3:[1-2] Explain functions of cells in organisms, multicellular organisms
- 4,24 LIFE 4:[3] Explain how plant cells differ from animal cells
- 5,25 LIFE 5:[4-6] Recognize organism reproduction, inherited traits
- 6,26 LIFE 6:[7] Recognize likenesses of parent & offspring, inherited or learned
- 7,27 LIFE 7:[8] Describe how organisms may interact with one another
- 8,28 PHYS 8:[1] Explain equal volumes of different substances usually have different masses
- 9,29 PHYS 9:[2] Describe in chemical change, new substance properties formed
- 10,30 PHYS 10:[3] Describe in physical change, chemical properties of substance unchanged
- 11,31 PHYS 11:[5-6] Explain energy found in renewable and nonrenewable resources
- 12,32 PHYS 12:[7] Describe how electric energy can be produced
- 13,33 PHYS 13:[8] Describe how renewable and nonrenewable energy resources can be managed
- 14,34 TECH 14:[1-2] Explain how technology influences quality of life, consequences
- 15,35 TECH 15:[3-4] Describe how automation has changed manufacturing, usefulness of parts
- 16,36 INQU 16:[1] Explain how the nature of an investigation determines procedures
- 17,37 INQU 17:[2] Choose appropriate tools and use safety procedures in an investigation
- 18,38 INQU 18:[3-4] Distinguish between observation and inference, proof with examples
- 19,39 KNOW 19:[2-3] Describe importance of records, scientific ways of thinking
- 20,40 KNOW 20:[4-5] Describe benefits of scientific knowledge, careers, contributions

Test Standards & Benchmarks/Indicators

Test Key: S7 Science 7

v. 1.0 Date Modified: 10/21/06
 Date Created: 08/29/03 Kirtland High School

STANDARDS:

- | | |
|--|--|
| 1. EART: Earth and Space Sciences | 5. INQU: Scientific Inquiry |
| 2. LIFE: Life Sciences | 6. KNOW: Scientific Ways of Knowing |
| 3. PHYS: Physical Sciences | |
| 4. TECH: Science and Technology | |

Ques# **Benchmarks/Grade Level Indicators:**

- | | |
|-------|--|
| 1,21 | EART 1:[1-2] Explain biogeochemical cycles/recycle |
| 2,22 | EART 2:[3-4] Describe/analyze water cycle |
| 3,23 | EART 3:[5-7] Make weather predictions; read weather map |
| 4,24 | EART 4:[8] Describe how temperature and precipitation determine climatic zones |
| 5,25 | LIFE 5:[1-2] Investigate multicellular organisms, interactions |
| 6,26 | LIFE 6:[3-4] Explain organisms in an ecosystem |
| 7,27 | LIFE 7:[5-6] Explain environmental changes |
| 8,28 | LIFE 8:[7] Explain photosynthetic cells convert energy |
| 9,29 | PHYS 9:[1~4] Investigate/explain change of matter, energy |
| 10,30 | PHYS 10:[2] Describe potential/kinetic energy |
| 11,31 | PHYS 11:[3] Identify different forms of energy |
| 12,32 | PHYS 12:[5] Trace energy transformation in simple closed system |
| 13,33 | TECH 13:[1] Explain needs, attitudes, values influence technology |
| 14,34 | TECH 14:[2-3] Describe how tech decisions effect environment |
| 15,35 | INQU 15:[1-2] Explain that variables and controls affect results |
| 16,36 | INQU 16:[4] Choose appropriate tools, safety procedures |
| 17,37 | INQU 17:[5-6] Analyze alternative scientific explanations, reasoning |
| 18,38 | INQU 18:[7] Use graphs, tables, charts; mathematical relationships |
| 19,39 | KNOW 19:[1-2] Show reproducibility of results reduces bias |
| 20,40 | KNOW 20:[3] Describe science abilities, qualities |

Test Standards & Benchmarks/Indicators

Test Key: S8 Science 8

Date Modified: 10/21/06

v. 2.0

Date Created: 07/30/06

Kirtland High School

STANDARDS:

- 1. **EART: Earth and Space Sciences**
- 2. **LIFE: Life Sciences**
- 3. **PHYS: Physical Sciences**
- 4. **TECH: Science and Technology**

- 5. **INQU: Scientific Inquiry**
- 6. **KNOW: Scientific Ways of Knowing**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,19 EART 1:[A-B]Describe universe: positions, motions, cycles, matter, distances, gravity, tools
- 2,20 EART 2:[C]Describe interactions of matter and energy in lithosphere, hydrosphere, atmosphere
- 3,21 EART 3:[D]Identify rocks, minerals; formation, classification
- 4,22 EART 4:[E]Describe earth processes: earthquakes, volcanic eruptions, erosion, tectonic plates
- 5,23 LIFE 5:[A]Explain functions of organism cells, tissues, organs, body plans
- 6,24 LIFE 6:[B]Describe inherited traits; asexual and sexual reproduction
- 7,25 LIFE 7:[C]Explain Transfer of Energy in an ecosystem
- 8,26 LIFE 8:[D]Explain how extinction occurs as an environment changes
- 9,27 PHYS 9:[A]Relate uses, properties, chemical processes to behavior of matter
- 10,28 PHYS 10:[B]Describe motion of objects, effects of forces on an object
- 11,29 PHYS 11:[C]Describe renewable and nonrenewable sources of energy
- 12,30 PHYS 12:[D]Describe energy forms: kinetic, potential; energy transformations
- 13,31 TECH 13:[A]Examine how technological advances influence quality of life
- 14,32 TECH 14:[B]Evaluate effectiveness of product design or solution
- 15,33 INQU 15:[A]Explain procedures in guiding scientific investigations; scientific method
- 16,34 INQU 16:[B]Analyze, interpret data from scientific investigations
- 17,35 KNOW 17:[A-B]Use inquiry skills; explain importance of reproducibility
- 18,36 KNOW 18:[C]Give examples of how scientific thinking is helpful

Test Standards & Benchmarks/Indicators

Test Key: S9 Science 9

Date Modified: 10/21/06

v.

Date Created: 09/07/03

Kirtland High School

STANDARDS:

- 1. EART: Earth and Space Sciences**
- 2. PHYS: Physical Sciences**
- 3. TECH: Science and Technology**
- 4. INQU: Scientific Inquiry**

- 5. KNOW: Scientific Ways of Knowing**

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 EART 1:[1-2]Describe star energy, explosive expansion theory
- 2,27 EART 2:[3] Explain gravitational forces, movement patterns
- 3,28 EART 3:[4-5]Explain relationships of oceans, lithosphere, atmosphere, transfer of energy
- 4,29 EART 4:[6-7]Explain results of plate tectonics, continental drift
- 5,30 PHYS 5:[1-2]Recognize atoms of same element, neutral charge
- 6,31 PHYS 6:[3]Describe radioactive substances
- 7,32 PHYS 7:[4] Show element atomic number, families, periodic table
- 8,33 PHYS 8:[5-7]Describe ions, electric force in atoms, bonding
- 9,34 PHYS 9:[8] Demonstrate how pH scale is used
- 10,35 PHYS 10:[9-10]Investigate properties of pure substances & mixtures, conductivity
- 11,36 PHYS 11:[11-13]Explain thermal, potential, kinetic energy
- 12,37 PHYS 12:[14] Summarize nuclear reactions, fission, fusion
- 13,38 PHYS 13:[15-16]Trace transformations of energy, chemical reactions
- 14,39 PHYS 14:[17-18]Demonstrate thermal energy conduction, electromagnetic radiation
- 15,40 PHYS 15:[19-20]Show properties of waves & mediums
- 16,41 PHYS 16:[21-23]Demonstrate motion measurement, acceleration, net force
- 17,42 PHYS 17:[24-25]Demonstrate force on objects, friction
- 18,43 TECH 18:[1] Describe means of comparing benefits, risks of technology
- 19,44 TECH 19:[3] Explain why a design should be continually assessed & ideas tested, refined
- 20,45 INQU 20:[1] Distinguish between observations & inferences
- 21,46 INQU 21:[2] Apply appropriate safety precautions
- 22,47 INQU 22:[6] Draw logical conclusions based on knowledge & evidence
- 23,48 KNOW 23:[1-2]Comprehend scientific investigations require many contributions, methods, procedures
- 24,49 KNOW 24:[3-4]Demonstrate reliable scientific evidence improves predictions; ethical practices
- 25,50 KNOW 25:[5-7]Justify that scientific theories require testing, data, building over time

Test Standards & Benchmarks/Indicators

Test Key: S10

Science 10

Date Modified: 10/21/06

v. 4.0

Date Created: 11/24/03

Kirtland High School

STANDARDS:

1. EART: Earth and Space Sciences

2. LIFE: Life Sciences

3. PHYS: Physical Sciences

4. TECH: Science and Technology

5. INQU: Scientific Inquiry

6. KNOW: Scientific Ways of Knowing

Ques#

Benchmarks/Grade Level Indicators:

- | | |
|-------|---|
| 1,21 | EART 1: [A]Explain processes in the physical universe |
| 2,22 | EART 2: [B]Explain patterns within Earth's systems |
| 3,23 | EART 3: [C]Explain Earth history and life based on geology |
| 4,24 | EART 4: [D]Describe Earth's finite resources & human activity |
| 5,25 | EART 5: [E]Explain processes that move and shape the Earth |
| 6,26 | LIFE 6: [A-B]Explain cell structure, function, processes |
| 7,27 | LIFE 7: [C]Explain genetic mechanisms related to inheritance |
| 8,28 | LIFE 8: [D]Explain cycling of energy and matter through systems |
| 9,29 | LIFE 9: [E-I]Explain evolutionary relationships and natural selection |
| 10,30 | LIFE 10: [F-G]Explain structure & function of ecosystems |
| 11,31 | PHYS 11: [A-B]Describe/explain atoms, molecules, substances |
| 12,32 | PHYS 12: [C]Describe/explain physical properties of substances |
| 13,33 | PHYS 13: [D]Explain movement of objects; Newton's three laws |
| 14,34 | PHYS 14: [E-F]Explain kinetic, potential energy change |
| 15,35 | PHYS 15: [G]Demonstrate wave energy and transfer |
| 16,36 | TECH 16: [A]Explain how technology responds to needs of society |
| 17,37 | TECH 17: [B]Explain how science and technology are interdependent. |
| 18,38 | INQU 18: [A]Apply processes of scientific investigation |
| 19,39 | KNOW 19: [A]Explain bases of scientific knowledge |
| 20,40 | KNOW 20: [B-C]Explain scientific inquiry methods & practices |

Test Standards & Benchmarks/Indicators

Test Key: C2
Soc Studies 2

v. 1.1

Date Modified: 10/21/06

Date Created: 10/21/06

Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques#**Benchmarks/Grade Level Indicators:**

- | | |
|---------|--|
| 1,22 | HIST 1:[1-2] Measure time by days, weeks, months, years |
| 2 | HIST 2:[3] Place series of related events on a time line |
| 3,23,33 | HIST 3:[4-6] Use objects/texts to answer questions about daily life in past |
| 4 | HIST 4:[7] Recognize individual actions and characters in past |
| 5,24 | PEOP 5:[1-2] Describe different cultural practices, products, language |
| 6,25 | PEOP 6:[3-4] Explain contributions of different cultures & individuals in U.S. |
| 7,26,34 | GEOG 7:[1-3] Read, interpret maps; locate continents, oceans |
| 8 | GEOG 8:[4] Describe/locate landforms, bodies of water |
| 9,27 | GEOG 9:[5-6] Compare urban, suburban, rural land use, environment |
| 10 | ECON 10:[1] Explain how resources can be used in various ways |
| 11 | ECON 11:[2] Explain how people are buyers & sellers of goods & services |
| 12,28 | ECON 12:[3-4] Recognize most people work in jobs that produce special goods/services |
| 13 | ECON 13:[5] Recognize money as medium of exchange, forms |
| 14,29 | GOVE 14:[1-2] Identify leaders; how government provides order |
| 15 | GOVE 15:[3] Explain importance of U.S. landmarks |
| 16,30 | GOVE 16:[4-5] Explain purpose of rules in workplace, consequences |
| 17 | CITI 17:[1] Explain benefits of cooperation in groups |
| 18,31 | CITI 18:[2-3] Demonstrate self-direction, citizenship traits in school |
| 19,32 | SKIL 19:[1-2] Obtain information, identify sources |
| 20 | SKIL 20:[3] Predict next event in a sequence |
| 21 | SKIL 21:[4] Distinguish between fact and fiction |

Test Standards & Benchmarks/Indicators

Test Key: C3
Soc Studies 3

v. 3.0
Date Modified: 10/21/06
Date Created: 03/25/04
Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,25 HIST 1:[1] Measure time by years, decades, centuries
- 2,26 HIST 2:[2] Place local historical events on a time line
- 3,27 HIST 3:[3] Describe changes in community over time
- 4,28 PEOP 4:[1-2] Compare cultural practices and products
- 5,29 PEOP 5:[3] Describe settlement patterns of cultural groups
- 6,30 GEOG 6:[1] Use maps of local community
- 7,31 GEOG 7:[2-4] Read, interpret maps; use grid system
- 8,32 GEOG 8:[5] Identify locations on maps and globes
- 9,33 GEOG 9:[6-7] Identify landforms, climate, vegetation, etc.
- 10,34 GEOG 10:[8] Identify systems of transportation / communication
- 11,35 ECON 11:[1] Define/give example of opportunity cost
- 12,36 ECON 12:[2-3] Identify consumers/ consumption, producers/ production
- 13,37 ECON 13:[4] Explain effects of uneven distribution of resources
- 14,38 ECON 14:[5] Identify forms of money, uses over time
- 15,39 ECON 15:[6-7] Explain local market, economic competition
- 16,40 GOVE 16:[1] Explain major functions of local government
- 17,41 GOVE 17:[2-3] Explain structure, location of local government
- 18,42 GOVE 18:[4] Identify goods and services provided by local government
- 19,43 GOVE 19:[5-6] Define, explain power and authority
- 20,44 CITI 20:[1-2] Describe effective citizenship traits
- 21,45 CITI 21:[3] Describe citizenship responsibilities
- 22,46 SKIL 22:[1-2] Locate information using various sources
- 23,47 SKIL 23:[3] Identify possible cause and effect relationships
- 24,48 SKIL 24:[4-5] Read and interpret graphs and charts

Test Standards & Benchmarks/Indicators

Test Key: C4
Soc Studies 4

v. 6.0

Date Modified: 10/21/06

Date Created: 04/24/05

Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 HIST 1:[1] Construct timelines to show order of significant events in Ohio
- 2,27 HIST 2:[2-3] Describe earliest settlements; explain frontier wars in Ohio
- 3,28 HIST 3:[4] Explain Ohio progress from territory to statehood, include terms of Northwest Ordinance
- 4,29 HIST 4:[5-6] Explain importance of Ohio canals, railroads, inventors such as Wright Brothers, etc.
- 5,30 PEOP 5:[1] Describe cultural practices and products of various groups in Ohio
- 6,31 PEOP 6:[2-3] Describe/explain impact of European settlements on American Indians in Ohio
- 7,32 GEOG 7:[1-2] Use linear scale to measure distance on a map; use cardinal and intermediate directions
- 8,33 GEOG 8:[3-4] Describe location of Ohio relative to other states; use map to locate Ohio features
- 9,34 GEOG 9:[5-7] Describe/compare Ohio characteristics, regions, resources, industries, etc.
- 10,35 GEOG 10:[8-9] Identify how environmental processes & characteristics influence settlement, environment in
- 11,36 GEOG 11:[10] Use elevation, natural resources, maps to determine patterns of settlement, economic activity,
- 12,37 ECON 12:[1-2] Identify productive resources, opportunity costs, availability of resources, specialization in Ohio
- 13,38 ECON 13:[3] Explain how entrepreneurs organize productive resources to produce goods and services
- 14,39 ECON 14:[4-6] Explain how individuals obtain and use income; why people in Ohio specialize, depend on
- 15,40 GOVE 15:[1] Explain major responsibilities of three branches of Ohio government
- 16,41 GOVE 16:[2] Explain why elections are used to select leaders and decide issues
- 17,42 GOVE 17:[3-4] Explain purpose of a democratic constitution / Ohio Constitution
- 18,43 CITI 18:[1] Describe the ways citizens can promote the common good, influence government
- 19,44 CITI 19:[2-3] Explain why personal responsibilities and civic responsibilities, leadership, public service are
- 20,45 CITI 20:[4] Explain why characteristics such as respect, fairness, etc. are desirable qualities of leaders
- 21,46 SKIL 21:[1-2] Obtain information about state issues from a variety of sources; use a glossary, index
- 22,47 SKIL 22:[3-4] Use primary & secondary sources; describe how archeologists, historians study the past
- 23,48 SKIL 23:[5] Identify main ideas and supporting details from factual information
- 24,49 SKIL 24:[6] Distinguish between fact and opinion
- 25,50 SKIL 25:[7] Read & interpret pictographs, bar graphs, line graphs, tables

Test Standards & Benchmarks/Indicators

Test Key: C5
Soc Studies 5

v. 3.8 Date Modified: 10/21/06
 Date Created: 06/15/04 Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 HIST 1:[1] Identify relationships between events in timeline
- 2,27 HIST 2:[2] Explain American Indian settlement and interaction w/environment
- 3,28 HIST 3:[3-4] Explain European exploration and colonization
- 4,29 HIST 4:[5] Explain how U.S. became independent from Great Britain
- 5,30 HIST 5:[6] Explain impact of settlement, industrialization, transportation
- 6,31 PEOP 6:[1] Compare cultural practices and products of groups
- 7,32 PEOP 7:[2] Compare life on Indian reservation w/cultural traditions
- 8,33 PEOP 8:[3] Describe African-American experiences under slavery
- 9,34 PEOP 9:[4-5] Describe immigration areas and reasons
- 10,35 GEOG 10:[1] Use latitude and longitude to determine location
- 11,36 GEOG 11:[2] Use maps to identify locations
- 12,37 GEOG 12:[3-7] Describe, compare landforms, climates, regions, etc.
- 13,38 GEOG 13:[5-6] Explain patterns on thematic maps to define regions/resources
- 14,39 GEOG 14:[8-9] Explain different physical environments/activities
- 15,40 ECON 15:[1-2] Compare allocation methods/production
- 16,41 ECON 16:[3-4] Explain various factors affecting productive capacity, availability
- 17,42 ECON 17:[5-7] Explain relationship between supply, demand, price, competition
- 18,43 GOVE 18:[1] Explain major responsibilities of branches of U.S. government
- 19,44 GOVE 19:[2] Explain essential characteristics of American democracy
- 20,45 GOVE 20:[3] Explain significance of Declaration of Independence, U.S. Constitution
- 21,46 CITI 21:[1] Explain how an individual acquires U.S. citizenship
- 22,47 CITI 22:[2] Explain obligations of upholding the U.S. Constitution
- 23,48 CITI 23:[3] Explain significance of rights protected by First Amendment
- 24,49 SKIL 24:[1-4] Analyze reliability; differentiate primary & secondary sources
- 25,50 SKIL 25:[5-7] Compare points of agreement & disagreement; draw inferences; summarize

Test Standards & Benchmarks/Indicators

Test Key: C6
Soc Studies 6

v. GLI

Date Modified: 10/21/06

Date Created: 04/24/05

Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,26 HIST 1:[1-2]Construct/interpret multiple-tier timeline; arrange dates using B.C.& A.D. or B.C.E.& C.E.
- 2,27 HIST 2:[3] Describe early cultural development of humankind from Paleolithic Era to agriculture
- 3,28 HIST 3:[4] Compare characteristics of river civilizations in Tigris Euphrates, Nile, Huang Ho & Indus before
- 4,29 HIST 4:[5] Describe characteristics of Maya, Inca, Aztec and Mississippian civilizations
- 5,30 PEOP 5:[1] Compare cultural practices and products of societies
- 6,31 PEOP 6:[2] Compare world religions and belief systems focusing on geographic origins, founding leaders,
- 7,32 PEOP 7:[3] Explain factors that foster conflict or cooperation among countries
- 8,33 GEOG 8:[1] Place countries, cities, deserts, mountain ranges and bodies of water on continents on which they
- 9,34 GEOG 9:[2] Use coordinates of latitude and longitude to locate points on a world map
- 10,35 GEOG 10:[3] Explain distribution patterns of economic activities and how changes affect those patterns
- 11,36 GEOG 11:[4-5]Identify/describe physical and human regions by analyzing maps, charts, graphs; environmental
- 12,37 GEOG 12:[6-7]Describe how human migration impacts characteristics of places & environment
- 13,38 GEOG 13:[8] Explain push and pull factors that cause people to migrate from place to place
- 14,39 ECON 14:[1-2]Explain how productive resources & entrepreneurship affects production, trade-offs
- 15,40 ECON 15:[3-4]Explain why trade occurs; identify good & services imported and exported; interdependence
- 16,41 ECON 16:[5] Describe how supply and demand help set market prices & how prices reflect relative scarcity
- 17,42 ECON 17:[6] Distinguish between good and services produced by the private sector and the public sector
- 18,43 GOVE 18:[1] Explain reasons for the creation of governments
- 19,44 GOVE 19:[2] Describe how the world is divided into countries that claim sovereignty over territory, and further
- 20,45 GOVE 20:[3] Explain the ways countries interact with each other
- 21,46 GOVE 21:[4] Describe the defining characteristics of democracies, monarchies, and dictatorships
- 22,47 CITI 22:[1] Explain how opportunities for citizen participation in political process differs under various systems
- 23,48 CITI 23:[2] Compare rights and responsibilities of citizens living under various systems of government
- 24,49 SKIL 24:[1-2]Use multiple sources to obtain information for research project; analyze primary and secondary
- 25,50 SKIL 25:[4] Read & interpret pictographs, bar graphs, line graphs, circle graphs, tables and flow charts

Test Standards & Benchmarks/Indicators

Test Key: C7
Soc Studies 7

v. Date Modified: 10/21/06
Date Created: 09/03/03 Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,23 HIST 1:[1] Group events by eras on multiple-tier timeline
- 2,24 HIST 2:[2] Describe impact of early civilizations
- 3,25 HIST 3:[3] Describe conditions that gave rise to feudalism
- 4,26 HIST 4:[4] Explain effects of military conquests during Middle Ages
- 5,27 HIST 5:[5] Describe impact of new ideas on European life
- 6,28 HIST 6:[6] Describe importance of West African empires
- 7,29 HIST 7:[7] Describe causes and effects of European exploration after 1400
- 8,30 PEOP 8:[1] Analyze cultural practices of early civilizations
- 9,31 PEOP 9:[2-3] Explain how Silk Road trade, Crusades, affected cultures
- 10,32 PEOP 10:[4] Describe cultural, scientific legacies of civilizations
- 11,33 GEOG 11:[1~3] Identify locations/changes of societies
- 12,34 GEOG 12:[2] Identify places related to historical events
- 13,35 GEOG 13:[4] Analyze physical & historical maps
- 14,36 GEOG 14:[5] Describe geographic factors and processes
- 15,37 ECON 15:[1] Compare productive resources in world regions
- 16,38 ECON 16:[2] Describe growth of cities and trade routes
- 17,39 GOVE 17:[1] Compare direct and representative democracy
- 18,40 GOVE 18:[2] Describe characteristics of Middle Age governments
- 19,41 CITI 19:[1] Explain monarchy, direct/representative democracy
- 20,42 CITI 20:[2] Describe rights in Magna Carta to Americans today
- 21,43 SKIL 21:[1] Describe historical events & issues
- 22,44 SKIL 22:[2] Compare multiple viewpoints in history

Test Standards & Benchmarks/Indicators

Test Key: C8
Soc Studies 8

Date Modified: 10/21/06
v. 2.0 Date Created: 07/30/06 Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,20 HIST 1:[A]Interpret relationships between events on multiple-tier time lines
- 2,21 HIST 2:[D]Describe effects of interactions among civilizations in 14th-18th century North America
- 3,22 HIST 3:[E]Explain causes and consequences of American Revolution
- 4,23 HIST 4:[F]Explain political/economic challenges of US under Articles of Confederation & adopting US
- 5,24 HIST 5:[G]Analyze causes, consequences of Civil War
- 6,25 PEOP 6:[B]Analyze interactions between cultural groups, cooperation & conflicts
- 7,26 PEOP 7:[C]Explain how contact between different cultures developed a common national identity
- 8,27 GEOG 8:[B]Identify regions using human & physical characteristics, compare prior to 1877 to today
- 9,28 GEOG 9:[C]Explain how environment influences the way people lived in US in 18th-19th centuries
- 10,29 GEOG 10:[D]Explain reasons people, products, ideas move; geographic patterns in US
- 11,30 ECON 11:[A]Explain how productive resources affect economic decisions & historic events
- 12,31 ECON 12:[B]Explain why trade occurs; how historical patterns contibuted to global interdependence
- 13,32 ECON 13:[C]Identify connections between government policies and US economy
- 14,33 GOVE 14:[A]Explain why people institute governments; how they influence government
- 15,34 GOVE 15:[B]Explain how Declaration of Independence, US Constitution, Bill of Rights, Northwest Ordinance
- 16,35 CITI 16:[A]Show relationship between civic participation and civic & public goals
- 17,36 CITI 17:[B]Identify historical origins that influence rights of US citizens today
- 18,37 SKIL 18:[A]Analyze different perspectives on a topic from fiction/nonfiction sources
- 19,38 SKIL 19:[C]Identify a position, evidence from primary & secondary sources

Test Standards & Benchmarks/Indicators

Test Key: C9 Soc Studies 9

v. 6.0	Date Modified: 06/20/07	Date Created: 09/07/03	Kirtland High School
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STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,23 HIST 1:[1-2] Explain effects, connections of Enlightenment ideas
- 2,24 HIST 2:[3] Explain causes, effects of Industrial Revolution
- 3,25 HIST 3:[4-6] Describe roots, impact of imperialism
- 4,26 HIST 4:[5] Analyze perspectives of colonizers and colonized
- 5,27 HIST 5:[7] Analyze causes, effects of World War I
- 6,28 HIST 6:[8-9] Analyze causes, effects of Russian Revolution
- 7,29 HIST 7:[10-11] Analyze causes, consequences of World War II
- 8,30 HIST 8:[12-13] Analyze impact, results of conflicting ideologies
- 9,31 HIST 9:[14-15] Explain causes, consequences of fall of Soviet Union
- 10,32 PEOP 10:[1-2] Analyze how different cultures view events
- 11,33 PEOP 11:[3] Explain impact of advances in communication
- 12,34 GEOG 12:[1] Interpret data to make comparisons among countries & regions
- 13,35 GEOG 13:[2-3] Explain how points of view, locations contribute to cooperation, conflict
- 14,36 GEOG 14:[4-5] Explain causes, consequences of urbanization, migration
- 15,37 ECON 15:[1-2] Describe costs & benefits of trade, methods of production
- 16,38 ECON 16:[3-4] Analyze characteristics of economies, protectionism
- 17,39 GOVE 17:[1] Explain how systems of government acquire, use, justify power
- 18,40 GOVE 18:[2] Analyze purposes, structures, functions of systems of government
- 19,41 CITI 19:[1-2] Analyze, evaluate citizen action on public policy
- 20,42 CITI 20:[3] Analyze how governments, others use propaganda
- 21,43 SKIL 21:[1] Detect bias and propaganda in sources
- 22,44 SKIL 22:[2-3] Evaluate credibility, reliability of sources

Test Standards & Benchmarks/Indicators

**Test Key: C10
Soc Studies 10**

v. 4.0 Date Modified: 10/21/06
Date Created: 11/25/03 Kirtland High School

STANDARDS:

- | | |
|-------------------------------------|---|
| 1. HIST: History | 5. GOVE: Government |
| 2. PEOP: People in Societies | 6. CITI: Citizenship Rights & Responsibilities |
| 3. GEOG: Geography | 7. SKIL: Social Studies Skills & Methods |
| 4. ECON: Economics | |

Ques# **Benchmarks/Grade Level Indicators:**

- 1,21 HIST 1:[A]Explain connections, relationships of Enlightenment ideas
- 2,22 HIST 2:[B]Explain effects of industrialization
- 3,23 HIST 3:[C]Analyze reasons, impact of imperialism
- 4,24 HIST 4:[D]Connect developments of World War I to WWII
- 5,25 HIST 5:[E]Analyze connections between WWII and Cold War
- 6,26 HIST 6:[F]Identify major historical domestic patterns in 20th century
- 7,27 PEOP 7:[A]Analyze different cultural perspectives
- 8,28 PEOP 8:[B]Analyze consequences of oppression, discrimination
- 9,29 PEOP 9:[C]Analyze exchanges in cultural practices
- 10,30 GEOG 10:[A]Analyze characteristics that define regions
- 11,31 GEOG 11:[B]Analyze geographic changes using maps/data
- 12,32 GEOG 12:[C]Analyze patterns and processes of movement
- 13,33 ECON 13:[A] Compare economic systems: goods, services
- 14,34 ECON 14:[B]Explain how US government provides services
- 15,35 GOVE 15:[A]Analyze evolution of the Constitution
- 16,36 GOVE 16:[B]Analyze various forms of government, power
- 17,37 CITI 17:[A]Analyze ways people achieve governmental change
- 18,38 CITI 18:[B]Explain how individual rights are relative; common good
- 19,39 SKIL 19:[A]Evaluate reliability, credibility of sources
- 20,40 SKIL 20:[B]Use data/evidence to support/refute a thesis