

ARIZONA DEPARTMENT OF EDUCATION
VOCATIONAL TECHNOLOGICAL EDUCATION CURRICULUM SYSTEM

COMPETENCIES AND RELATED ACADEMIC SKILLS

SEPTEMBER 1998

PROGRAM: Applied Biological Systems-Health
CIP CODE: 99.0300.30

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COMPETENCY 1.0 DEMONSTRATE SAFETY COMPLIANCE IN THE LABORATORY

LANGUAGE ARTS (LA):

- 005 Adapts strategy: listening
- 007 Adapts strategy: speaking
- 010 Adapts style: cultural differences
- 013 Applies/uses definitions
- 035 Attends directions/task
- 039 Collects/organizes information–oral/written
- 040 Collects/organizes information–oral/written: discussions
- 041 Collects/organizes information–oral/written: library resources
- 046 Collects/organizes information–oral/written: reading
- 074 Composes/edits paragraphs
- 092 Composes/edits reports/essays: information supplying
- 098 Composes/edits reports/essays: summaries
- 102 Composes/edits sentences: capitalization
- 103 Composes/edits sentences: completeness
- 112 Composes/edits sentences: punctuation
- 114 Composes/edits sentences: spelling
- 123 Comprehends information–oral: cause/effect relationships
- 126 Comprehends information–oral: conclusions
- 127 Comprehends information–oral: context
- 129 Comprehends information–oral: purpose
- 134 Comprehends information–written: cause/effect relationships
- 136 Comprehends information–written: charts/tables/graphs
- 138 Comprehends information–written: conclusions
- 139 Comprehends information–written: context
- 145 Comprehends information–written: purpose
- 149 Comprehends information–written: summaries
- 168 Evaluates information–oral: adequacy/sufficiency
- 169 Evaluates information–oral: appropriateness
- 173 Evaluates information–oral: nonprint media
- 177 Evaluates information–oral: relevant/irrelevant
- 182 Evaluates information–written: appropriateness
- 207 Identifies information–oral: key words/phrases

ENGLISH (LA): continued

- 210 Identifies information–oral: outcomes/solutions
- 215 Identifies information–written: abbreviations
- 265 Presents informal speech: discussion
- 267 Presents informal speech: information supplying
- 271 Uses dictionary
- 277 Uses library resources: guides
- 278 Uses text resources

MATH (M):

- 013 Calculates/evaluates mean/median/mode
- 014 Calculates/evaluates measurement: precision
- 015 Calculates/evaluates percent: in/decrease, markup/discount
- 021 Calculates/evaluates unit measure: price
- 026 Computes addition: decimals
- 029 Computes addition: mixed numbers
- 034 Computes addition: whole numbers
- 037 Computes division: complex fractions
- 039 Computes division: decimals
- 040 Computes division: fractions
- 041 Computes division: mentally
- 042 Computes division: mixed numbers
- 047 Computes division: whole numbers
- 065 Computes multiplication: decimals
- 066 Computes multiplication: fractions
- 068 Computes multiplication: mixed numbers
- 073 Computes multiplication: whole numbers
- 084 Computes subtraction: decimals
- 085 Computes subtraction: fractions
- 086 Computes subtraction: mentally
- 087 Computes subtraction: mixed numbers
- 092 Computes subtraction: whole numbers
- 116 Converts decimals/fractions/ratios/percentage
- 127 Converts word problems: mathematical expressions
- 132 Distinguishes estimate/exact value
- 134 Distinguishes scientific/standard notation
- 136 Estimates/rounds angles
- 139 Estimates/rounds expected outcomes
- 140 Estimates/rounds expected outcomes: everyday occurrences
- 146 Estimates/rounds numbers: add/subtract/divide/multiply
- 148 Estimates/rounds reasonable answers
- 154 Formulates/verifies angles: acute/obtuse/right
- 158 Formulates/verifies conclusions
- 159 Formulates/verifies questions

MATH (M): continued

- 161 Identifies English measures: length/volume/weight
- 164 Identifies geometric figures
- 170 Identifies lines: vertical/horizontal
- 171 Identifies metric measures: length/volume/weight
- 174 Interprets charts/tables/graphs
- 177 Interprets system of numbers: place value
- 178 Interprets system of numbers: rational numbers
- 188 Measures metric
- 189 Measures metric: area
- 190 Measures metric: distance
- 191 Measures metric: temperature
- 192 Measures metric: volume
- 193 Measures metric: weight
- 246 Understands linear systems: solutions
- 255 Understands power/exponent
- 256 Understands statistics
- 258 Understands statistics: probability
- 259 Understands statistics: sampling
- 261 Uses calculator addition
- 262 Uses calculator division
- 266 Uses calculator multiplication
- 268 Uses calculator subtraction

SCIENCE (S):

- 010 Analyzes/evaluates environmental issues: media information
- 011 Analyzes/evaluates environmental issues: pollution
- 012 Analyzes/evaluates environmental issues: waste management
- 031 Analyzes/evaluates science technology
- 032 Analyzes/evaluates science technology: implications–economic
- 033 Analyzes/evaluates science technology: implications–political
- 034 Analyzes/evaluates science technology: implications–social
- 035 Analyzes/evaluates science technology: products
- 036 Analyzes/evaluates science technology: societal influences
- 039 Applies/uses laboratory instruments
- 040 Applies/uses laboratory techniques
- 041 Applies/uses laboratory techniques: safety
- 042 Applies/uses maps/charts, tables/graphs
- 043 Applies/uses models/theories/laws
- 044 Applies/uses scientific methods
- 046 Applies/uses scientific methods: data collection
- 047 Applies/uses scientific methods: observation-direct/indirect
- 048 Applies/uses scientific methods: predictions
- 049 Applies/uses scientific methods: problem identification

SCIENCE (S): continued

- 050 Applies/uses scientific notation
- 052 Converts measurement units
- 070 Describes/explains bacteria: characteristics
- 131 Describes/explains conservation
- 237 Describes/explains energy: power
- 238 Describes/explains energy: theory of relativity
- 239 Describes/explains energy: thermal
- 240 Describes/explains energy/resources
- 242 Describes/explains energy/resources: gases
- 245 Describes/explains energy/resources: solar
- 246 Describes/explains energy/resources: water/tides
- 248 Describes/explains force
- 251 Describes/explains force: friction
- 252 Describes/explains force: gravity
- 256 Describes/explains force: weight
- 257 Describes/explains force: work
- 282 Describes/explains heat: temperature
- 283 Describes/explains human/animal
- 285 Describes/explains human/animal: blood cells/platelets
- 291 Describes/explains human/animal: diseases
- 293 Describes/explains human/animal: excretory system
- 303 Describes/explains human/animal: plasma
- 305 Describes/explains human/animal: respiratory system
- 307 Describes/explains human/animal: skin
- 308 Describes/explains human/animal: tissues
- 319 Applies/uses lenses: human eye
- 340 Describes/explains matter: motion/inertia
- 346 Describes/explains mixtures
- 352 Describes/explains motion: laws
- 389 Describes/explains solutions
- 394 Describes/explains solutions: solute
- 395 Describes/explains solutions: solvent
- 405 Describes/explains sound: hearing
- 406 Describes/explains sound: noise/acoustics
- 445 Describes/explains work
- 447 Describes/explains work: levers
- 448 Describes/explains work: pulleys
- 449 Identifies acids/bases
- 466 Identifies definitions
- 467 Identifies definitions: operational
- 468 Identifies diseases
- 472 Identifies matter: chemical properties

SCIENCE (S): continued

- 474 Identifies matter: physical properties
- 477 Identifies measurement units
- 480 Identifies organisms: bacteria
- 481 Identifies organisms: fungi
- 482 Identifies organisms: insects
- 483 Identifies organisms: plants
- 485 Identifies organisms: viruses
- 486 Identifies questions: research
- 495 Measures temperature: F/C
- 497 Measures volume: liquids/solids
- 498 Uses computers
- 499 Uses computers: information processing
- 500 Uses computers: mathematical applications
- 501 Uses computers: problem solving

COMPETENCY 2.0 DESCRIBE THE HUMAN BODY SYSTEMS**LANGUAGE ARTS (LA):**

- 005 Adapts strategy: listening
- 007 Adapts strategy: speaking
- 010 Adapts style: cultural differences
- 013 Applies/uses definitions
- 035 Attends directions/task
- 039 Collects/organizes information–oral/written
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- 123 Comprehends information–oral: cause/effect relationships
- 126 Comprehends information–oral: conclusions
- 127 Comprehends information–oral: context
- 129 Comprehends information–oral: purpose
- 134 Comprehends information–written: cause/effect relationships
- 136 Comprehends information–written: charts/tables/graphs
- 138 Comprehends information–written: conclusions
- 139 Comprehends information–written: context

LANGUAGE ARTS (LA): continued

- 145 Comprehends information–written: purpose
- 149 Comprehends information–written: summaries
- 168 Evaluates information–oral: adequacy/sufficiency
- 169 Evaluates information–oral: appropriateness
- 173 Evaluates information–oral: nonprint media
- 177 Evaluates information–oral: relevant/irrelevant
- 182 Evaluates information–written: appropriateness
- 207 Identifies information–oral: key words/phrases
- 210 Identifies information–oral: outcomes/solutions
- 215 Identifies information–written: abbreviations
- 265 Presents informal speech: discussion
- 267 Presents informal speech: information supplying
- 271 Uses dictionary
- 277 Uses library resources: guides
- 278 Uses text resources

MATH (M):

- 002 Calculates/evaluates common factors
- 008 Calculates/evaluates geometric figures: surface area
- 015 Calculates/evaluates percent: in/decrease, markup/discount
- 018 Calculates/evaluates reasoning: invalid arguments
- 026 Computes addition: decimals
- 027 Computes addition: fractions
- 034 Computes addition: whole numbers
- 041 Computes division: mentally
- 065 Computes multiplication: decimals
- 073 Computes multiplication: radicals
- 084 Computes subtraction: decimals
- 091 Computes subtraction: rational expressions
- 092 Computes subtraction: whole numbers
- 116 Converts decimals/fractions/ratios/percentage...
- 124 Converts units...
- 125 Converts units: conversion rule
- 126 Converts units: metric/English–meters/feet
- 127 Converts word problems: mathematical expressions
- 132 Distinguishes estimate/exact value...
- 134 Distinguishes scientific/standard notation
- 136 Estimates/rounds angles
- 144 Estimates/rounds geometric figures: volume
- 145 Estimates/rounds geometric figures: weight
- 146 Estimates/rounds numbers: add/subtract/divide/multiply
- 148 Estimates/rounds reasonable answers...

MATH (M): continued

- 158 Formulates/verifies conclusions...
- 159 Formulates/verifies questions...
- 161 Identifies English measures: length/volume/weight
- 164 Identifies geometric figures
- 171 Identifies metric measures: length/volume/weight
- 174 Interprets charts/tables/graphs...
- 176 Interprets symbols: $<$, $>$, $=$, e.g.
- 183 Measures direct: time
- 185 Measures direct: weight
- 188 Measures metric...
- 189 Measures metric: area
- 190 Measures metric: distance
- 191 Measures metric: temperature
- 192 Measures metric: volume
- 193 Measures metric weight
- 196 Solves equations exponential
- 229 Solves problems generate conclusions: deductive reasoning
- 230 Solves problems proportion...
- 231 Solves problems proportion: area
- 232 Solves problems proportion: volume
- 244 Understands geometric figures: visual perception
- 247 Understands number theory: arithmetic progression
- 253 Understands number theory: sequential outcomes
- 255 Understands power/exponent
- 256 Understands statistics
- 258 Understands statistics: probability
- 261 Uses calculator addition
- 262 Uses calculator: division...
- 263 Uses calculator exponential functions
- 266 Uses calculator multiplication
- 268 Uses calculator subtraction

SCIENCE (S):

- 002 Analyzes/evaluates chemicals in society: drugs
- 003 Analyzes/evaluates chemicals in society: fertilizers
- 004 Analyzes/evaluates chemicals in society: food additives
- 005 Analyzes/evaluates chemicals in society: MSG
- 006 Analyzes/evaluates chemicals in society: vitamins
- 010 Analyzes/evaluates environmental issues: media information
- 011 Analyzes/evaluates environmental issues: pollution
- 012 Analyzes/evaluates environmental issues: waste management
- 013 Analyzes/evaluates experiments

SCIENCE (S): continued

- 014 Analyzes/evaluates experiments: conclusions
- 015 Analyzes/evaluates experiments: conflicting data
- 016 Analyzes/evaluates experiments: controls
- 017 Analyzes/evaluates experiments: data
- 023 Analyzes/evaluates experiments: samples
- 024 Analyzes/evaluates experiments: sources of errors
- 025 Analyzes/evaluates experiments: variables
- 026 Analyzes/evaluates natural resources
- 027 Analyzes/evaluates experiments: allocation
- 029 Analyzes/evaluates natural resources: renewable/nonrenewable
- 030 Analyzes/evaluates natural resources: utilization
- 031 Analyzes/evaluates science technology
- 032 Analyzes/evaluates science technology: implications–economic
- 033 Analyzes/evaluates science technology: implications–political
- 034 Analyzes/evaluates science technology: implications–social
- 035 Analyzes/evaluates science technology: products
- 036 Analyzes/evaluates science technology: societal influences
- 037 Applies/uses classification schemes
- 050 Applies/uses scientific notation
- 051 Classifies matter
- 052 Converts measurement units
- 053 Describes/explains acids/bases
- 054 Describes/explains acids/bases: acid indicators
- 055 Describes/explains acids/bases: base indicators
- 056 Describes/explains acids/bases: ions
- 057 Describes/explains acids/bases: neutralization/salts
- 058 Describes/explains acids/bases: pH
- 060 Describes/explains atoms: bonding
- 063 Describes/explains atoms: composition
- 066 Describes/explains atoms: structure
- 068 Describes/explains bacteria
- 069 Describes/explains bacteria: benefits
- 070 Describes/explains bacteria: characteristics
- 071 Describes/explains bacteria: protein production
- 072 Describes/explains bacteria: resistance to drugs
- 073 Describes/explains biochemistry
- 074 Describes/explains biochemistry: ATP/ADP
- 075 Describes/explains biochemistry: body heat
- 076 Describes/explains biochemistry: cell respiration
- 077 Describes/explains biochemistry: cellulose
- 078 Describes/explains biochemistry: chlorophyll
- 079 Describes/explains biochemistry: fermentation
- 080 Describes/explains biochemistry: food energy pyramid

SCIENCE (S): continued

- 081 Describes/explains biochemistry: phosphate groups
- 082 Describes/explains biochemistry: photosynthesis
- 083 Describes/explains biochemistry: protein synthesis
- 084 Describes/explains biochemistry: simple sugar
- 085 Describes/explains carbon/organic chemistry
- 089 Describes/explains carbon/organic chemistry: amino acids
- 090 Describes/explains carbon/organic chemistry: carbohydrates
- 091 Describes/explains carbon/organic chemistry: compounds
- 092 Describes/explains carbon/organic chemistry: cyclic hydrocarbons
- 093 Describes/explains carbon/organic chemistry: fats
- 094 Describes/explains carbon/organic chemistry: glucose
- 096 Describes/explains carbon/organic chemistry: hydrocarbons–saturated/unsaturated
- 098 Describes/explains carbon/organic chemistry: lipids
- 100 Describes/explains carbon/organic chemistry: proteins
- 102 Describes/explains carbon/organic chemistry: vitamins
- 103 Describes/explains cells
- 104 Describes/explains cells: diffusion
- 105 Describes/explains cells: division
- 106 Describes/explains cells: eukaryotes
- 107 Describes/explains cells: homeostasis
- 108 Describes/explains cells: osmosis
- 109 Describes/explains cells: parts/functions
- 110 Describes/explains cells: photosynthesis/ATP
- 111 Describes/explains cells: prokaryotes
- 112 Describes/explains cells: respiration
- 113 Describes/explains cells: transport-active/passive
- 114 Describes/explains chemical reactions
- 115 Describes/explains chemical reactions: activation energy
- 116 Describes/explains chemical reactions: catalysts
- 117 Describes/explains chemical reactions: concentration
- 118 Describes/explains chemical reactions: endothermic
- 119 Describes/explains chemical reactions: energy changes
- 120 Describes/explains chemical reactions: exothermic
- 121 Describes/explains chemical reactions: inhibitors
- 123 Describes/explains chemical reactions: reactants
- 124 Describes/explains color
- 125 Describes/explains color: blindness
- 126 Describes/explains color: Cones
- 127 Describes/explains color: pigmentation
- 129 Describes/explains color: rods
- 131 Describes/explains conservation
- 132 Describes/explains conversation: energy
- 134 Describes/explains conservation: minerals

SCIENCE (S): continued

- 136 Describes/explains conservation: water
- 211 Describes/explains electrochemical reactions
- 212 Describes/explains electrochemical reactions: activity of metals
- 213 Describes/explains electrochemical reactions: oxidation/reduction
- 220 Describes/explains electrons
- 221 Describes/explains electrons: chemical bonding
- 222 Describes/explains electrons: covalent bonding
- 223 Describes/explains electrons: electric charges
- 224 Describes/explains electrons: ionic bonds
- 226 Describes/explains elements/compounds
- 228 Describes/explains elements/compounds: bonding
- 229 Describes/explains elements/compounds: catalysts
- 230 Describes/explains elements/compounds: combustion
- 231 Describes/explains energy
- 232 Describes/explains energy: conversion
- 233 Describes/explains energy: kinetic/potential
- 235 Describes/explains energy: mechanical
- 236 Describes/explains energy: momentum
- 239 Describes/explains energy: thermal
- 248 Describes/explains force
- 249 Describes/explains force: balanced/unbalanced
- 250 Describes/explains force: centrifugal/centripetal
- 251 Describes/explains force: friction
- 252 Describes/explains force: gravity
- 253 Describes/explains force: inertia
- 254 Describes/explains force: mass
- 255 Describes/explains force: pressure
- 256 Describes/explains force: weight
- 257 Describes/explains force: work
- 261 Describes/explains genetics
- 262 Describes/explains genetics: chromosomes
- 263 Describes/explains genetics: diversity
- 264 Describes/explains genetics: DNA
- 265 Describes/explains genetics: dominant/recessive
- 266 Describes/explains genetics: genes
- 267 Describes/explains genetics: genotype/phenotype
- 268 Describes/explains genetics: inheritance
- 269 Describes/explains genetics: mitosis/meiosis
- 270 Describes/explains genetics: mutations
- 271 Describes/explains genetics: punnett square
- 272 Describes/explains genetics: zygote
- 273 Describes/explains heat
- 274 Describes/explains heat: conduction/convection

SCIENCE (S): continued

- 277 Describes/explains heat: expansion/contraction
- 279 Describes/explains heat: infrared
- 280 Describes/explains heat: insulation
- 281 Describes/explains heat: radiation
- 282 Describes/explains heat: temperature
- 283 Describes/explains human/animal
- 284 Describes/explains human/animal: aging
- 285 Describes/explains human/animal: blood cells/platelets
- 286 Describes/explains human/animal: blood/blood pressure
- 287 Describes/explains human/animal: cardiovascular system
- 288 Describes/explains human/animal: circulatory system
- 289 Describes/explains human/animal: development
- 290 Describes/explains human/animal: digestive systems
- 291 Describes/explains human/animal: diseases
- 292 Describes/explains human/animal: endocrine system
- 293 Describes/explains human/animal: excretory system
- 294 Describes/explains human/animal: development
- 295 Describes/explains human/animal: homeostasis
- 296 Describes/explains human/animal: hormones
- 297 Describes/explains human/animal: immune system
- 298 Describes/explains human/animal: maintenance/management
- 299 Describes/explains human/animal: metabolism
- 300 Describes/explains human/animal: muscular system
- 301 Describes/explains human/animal: nervous system
- 302 Describes/explains human/animal: organs/transplants
- 303 Describes/explains human/animal: plasma
- 304 Describes/explains human/animal: reproductive system
- 305 Describes/explains human/animal: respiratory system
- 306 Describes/explains human/animal: skeletal system
- 307 Describes/explains human/animal: skin
- 308 Describes/explains human/animal: tissues
- 309 Describes/explains human/animal: weight gain/loss
- 310 Describes/explains kingdoms
- 311 Describes/explains kingdoms: Animalia
- 312 Describes/explains kingdoms: Fungi
- 313 Describes/explains kingdoms: Monera
- 314 Describes/explains kingdoms: Plantae
- 315 Describes/explains kingdoms: Protista
- 316 Describes/explains lenses
- 317 Describes/explains lenses: concave/convex
- 318 Describes/explains lenses: focal length
- 319 Describes/explains lenses: human eye
- 329 Describes/explains light: opaque

SCIENCE (S): continued

- 333 Describes/explains light: refraction
- 335 Describes/explains light: translucent/transparent
- 336 Describes/explains light: ultraviolet
- 337 Describes/explains matter
- 338 Describes/explains matter: density
- 339 Describes/explains matter: divisibility
- 340 Describes/explains matter: motion/inertia
- 341 Describes/explains matter: phases/states
- 342 Describes/explains matter: properties
- 343 Describes/explains matter: structure
- 344 Describes/explains matter: substance
- 345 Describes/explains matter: uses
- 346 Describes/explains mixtures
- 347 Describes/explains molecules
- 348 Describes/explains motion
- 349 Describes/explains motion: acceleration/deceleration
- 350 Describes/explains motion: action/reaction
- 352 Describes/explains motion: laws
- 365 Describes/explains organisms
- 366 Describes/explains organisms: adaptation
- 367 Describes/explains organisms: development
- 368 Describes/explains organisms: energy capture/release
- 369 Describes/explains organisms: life cycle
- 370 Describes/explains organisms: reproduction
- 380 Describes/explains plants: nitrogen cycle
- 381 Describes/explains plants: oxygen/carbon dioxide cycle
- 384 Describes/explains plants: photosynthesis
- 389 Describes/explains solutions
- 392 Describes/explains solutions: saturated/unsaturated
- 393 Describes/explains solutions: soluble/insoluble
- 394 Describes/explains solutions: solute
- 395 Describes/explains solutions: solvent
- 396 Describes/explains sound
- 397 Describes/explains sound: amplification
- 398 Describes/explains sound: audible range
- 402 Describes/explains sound: decibels/intensity
- 404 Describes/explains sound: frequency-hertz
- 405 Describes/explains sound: hearing
- 406 Describes/explains sound: noise/acoustics
- 408 Describes/explains sound: pitch/frequency
- 409 Describes/explains sound: quality
- 410 Describes/explains sound: reflection/interference
- 414 Describes/explains sound: vocal cords

SCIENCE (S): continued

- 415 Describes/explains sound: waves–pitch frequency
- 433 Describes/explains weather/climate: altitude
- 439 Describes/explains weather/climate: greenhouse effect
- 441 Describes/explains weather/climate: ozone layer
- 443 Describes/explains weather/climate: relative humidity
- 446 Identifies definitions
- 449 Identifies acids/bases
- 451 Identifies compounds–inorganic
- 452 Identifies compounds–organic
- 454 Identifies compounds–organic: chemical equations
- 455 Identifies compounds–organic: chemical reactions
- 459 Identifies cycles
- 460 Identifies cycles: biological
- 461 Identifies cycles: decay
- 462 Identifies cycles: energy
- 463 Identifies cycles: food webs
- 466 Identifies definitions
- 467 Identifies definitions: operational
- 468 Identifies diseases
- 469 Identifies elements: names/symbols
- 470 Identifies food groups
- 471 Identifies matter
- 472 Identifies matter: chemical properties
- 474 Identifies matter: physical properties
- 475 Identifies matter: structure
- 477 Identifies measurement units
- 479 Identifies organisms
- 480 Describes/explains organisms: bacteria
- 481 Identifies organisms: fungi
- 482 Identifies organisms: insects
- 483 Identifies organisms: plants
- 485 Identifies organisms: viruses
- 486 Identifies questions: research
- 491 Measures energy/work
- 492 Measures force
- 493 Measures mass/weight
- 495 Measures temperature: F/C
- 496 Measures time
- 497 Measures volume: liquids/solids, gases

COMPETENCY 3.0 DESCRIBE BASIC PRINCIPLES OF HUMAN NUTRITION

LANGUAGE ARTS (LA):

- 005 Adapts strategy: listening
- 007 Adapts strategy: speaking
- 010 Adapts style: cultural differences
- 013 Applies/uses definitions
- 035 Attends directions/task
- 039 Collects/organizes information–oral/written
- 040 Collects/organizes information–oral/written: discussions
- 041 Collects/organizes information–oral/written: library resources
- 046 Collects/organizes information–oral/written: reading
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- 265 Presents informal speech: discussion
- 267 Presents informal speech: information supplying
- 271 Uses dictionary
- 277 Uses library resources: guides
- 278 Uses text resources

MATH (M):

- 015 Calculates/evaluates percent: in/decrease, markup/discount
- 021 Calculates/evaluates unit measure: price
- 034 Computes addition: whole numbers
- 047 Computes division: whole numbers
- 068 Computes multiplication: mixed numbers
- 073 Computes multiplication: whole numbers
- 092 Computes subtraction: whole numbers
- 127 Converts word problems: mathematical expressions
- 134 Distinguishes scientific/standard notation
- 148 Estimates/rounds reasonable answers
- 159 Formulates/verifies questions
- 176 Interprets symbols: $<$, $>$, $=$, e.g.
- 191 Measures metric: temperature
- 193 Measures metric: weight
- 196 Solves equations exponential
- 247 Understands number theory: arithmetic progression
- 253 Understands number theory: sequential outcomes
- 255 Understands power/exponent
- 256 Understands statistics
- 258 Understands statistics: probability
- 261 Uses calculator addition
- 262 Uses calculator division
- 263 Uses calculator exponential functions
- 266 Uses calculator multiplication
- 268 Uses calculator subtraction

SCIENCE (S):

- 002 Analyzes/evaluates chemicals in society: drugs
- 004 Analyzes/evaluates chemicals in society: food additives
- 005 Analyzes/evaluates chemicals in society: MSG
- 006 Analyzes/evaluates chemicals in society: vitamins
- 007 Analyzes/evaluates environmental issues
- 010 Analyzes/evaluates environmental issues: media information
- 011 Analyzes/evaluates environmental issues: pollution
- 012 Analyzes/evaluates environmental issues: waste management
- 013 Analyzes/evaluates experiments
- 014 Analyzes/evaluates experiments: conclusions
- 015 Analyzes/evaluates experiments: conflicting data
- 016 Analyzes/evaluates experiments: controls
- 017 Analyzes/evaluates experiments: data
- 018 Analyzes/evaluates experiments: inferences
- 019 Analyzes/evaluates experiments: limitations

SCIENCE (S): continued

- 020 Analyzes/evaluates experiments: operational definitions
- 021 Analyzes/evaluates experiments: questions
- 022 Analyzes/evaluates experiments: replications
- 023 Analyzes/evaluates experiments: samples
- 024 Analyzes/evaluates experiments: sources of errors
- 025 Analyzes/evaluates experiments: variables
- 026 Analyzes/evaluates natural resources
- 027 Analyzes/evaluates experiments: allocation
- 029 Analyzes/evaluates natural resources: renewable/nonrenewable
- 030 Analyzes/evaluates natural resources: utilization
- 031 Analyzes/evaluates science technology
- 032 Analyzes/evaluates science technology: implications–economic
- 033 Analyzes/evaluates science technology: implications–political
- 034 Analyzes/evaluates science technology: implications–social
- 035 Analyzes/evaluates science technology: products
- 036 Analyzes/evaluates science technology: societal influences
- 037 Applies/uses classification schemes
- 039 Applies/uses laboratory instruments
- 040 Applies/uses laboratory techniques
- 041 Applies/uses laboratory techniques: safety
- 042 Applies/uses maps/charts, tables/graphs
- 043 Applies/uses models/theories/laws
- 044 Applies/uses scientific methods
- 051 Classifies matter
- 052 Converts measurement units
- 057 Describes/explains acids/bases: neutralization/salts
- 058 Describes/explains acids/bases: pH
- 074 Describes/explains biochemistry: ATP/ADP
- 077 Describes/explains biochemistry: cellulose
- 078 Describes/explains biochemistry: chlorophyll
- 079 Describes/explains biochemistry: fermentation
- 083 Describes/explains biochemistry: protein synthesis
- 084 Describes/explains biochemistry: simple sugar
- 089 Describes/explains carbon/organic chemistry: amino acids
- 090 Describes/explains carbon/organic chemistry: carbohydrates
- 091 Describes/explains carbon/organic chemistry: compounds
- 093 Describes/explains carbon/organic chemistry: fats
- 094 Describes/explains carbon/organic chemistry: glucose
- 096 Describes/explains carbon/organic chemistry: hydrocarbons–saturated/unsaturated
- 098 Describes/explains carbon/organic chemistry: lipids
- 100 Describes/explains carbon/organic chemistry: proteins
- 102 Describes/explains carbon/organic chemistry: vitamins
- 103 Describes/explains cells
- 104 Describes/explains cells: diffusion

SCIENCE (S): continued

- 107 Describes/explains cells: homeostasis
- 108 Describes/explains cells: osmosis
- 109 Describes/explains cells: parts/functions
- 110 Describes/explains cells: respiration
- 112 Describes/explains cells: respiration
- 113 Describes/explains cells: transport-active/passive
- 114 Describes/explains chemical reactions
- 115 Describes/explains chemical reactions: activation energy
- 116 Describes/explains chemical reactions: catalysts
- 117 Describes/explains chemical reactions: concentration
- 127 Describes/explains color: pigmentation
- 133 Describes/explains conservation: matter
- 193 Describes/explains electricity-generating: incandescent
- 226 Describes/explains elements/compounds
- 231 Describes/explains energy
- 232 Describes/explains energy: conversion
- 235 Describes/explains energy: mechanical
- 236 Describes/explains energy: momentum
- 237 Describes/explains energy: power
- 238 Describes/explains energy: theory of relativity
- 239 Describes/explains energy: thermal
- 242 Describes/explains energy: gases
- 246 Describes/explains energy: water/tides
- 247 Describes/explains energy: wind
- 248 Describes/explains force
- 249 Describes/explains force: balanced/unbalanced
- 250 Describes/explains force:
- 251 Describes/explains force: friction
- 261 Describes/explains genetics
- 268 Describes/explains genetics: inheritance
- 270 Describes/explains genetics: mutations
- 273 Describes/explains heat
- 283 Describes/explains human/animal
- 284 Describes/explains human/animal: aging
- 286 Describes/explains human/animal: blood/blood pressure
- 287 Describes/explains human/animal: cardiovascular system
- 288 Describes/explains human/animal: circulatory system
- 289 Describes/explains human/animal: development
- 290 Describes/explains human/animal: digestive systems
- 291 Describes/explains human/animal: diseases
- 292 Describes/explains human/animal: endocrine system
- 293 Describes/explains human/animal: excretory system
- 294 Describes/explains human/animal: development
- 295 Describes/explains human/animal: homeostasis

SCIENCE (S): continued

- 296 Describes/explains human/animal: hormones
- 297 Describes/explains human/animal: immune system
- 298 Describes/explains human/animal: maintenance/management
- 299 Describes/explains human/animal: metabolism
- 300 Describes/explains human/animal: muscular system
- 301 Describes/explains human/animal: nervous system
- 302 Describes/explains human/animal: organs/transplants
- 304 Describes/explains human/animal: reproductive system
- 305 Describes/explains human/animal: respiratory system
- 306 Describes/explains human/animal: skeletal system
- 307 Describes/explains human/animal: skin
- 308 Describes/explains human/animal: tissues
- 309 Describes/explains human/animal: weight gain/loss
- 312 Describes/explains kingdom: fungi
- 313 Describes/explains kingdom: Monera
- 314 Describes/explains kingdom: Plantae
- 317 Describes/explains lenses: concave/convex
- 320 Describes/explains light
- 321 Describes/explains light: angle of incidence/reflection
- 322 Describes/explains light: critical angle–fiber optics
- 323 Describes/explains light: diffraction
- 345 Describes/explains matter: uses
- 346 Identifies matter: uses
- 347 Describes/explains molecules
- 365 Describes/explains organisms
- 366 Describes/explains organisms: adaptation
- 367 Describes/explains organisms: development
- 369 Describes/explains organisms: life cycle
- 391 Describes/explains solutions: polar/nonpolar
- 392 Describes/explains solutions: saturated/unsaturated
- 393 Describes/explains solutions: soluble/insoluble
- 394 Describes/explains solutions: solute
- 395 Describes/explains solutions: solvent
- 397 Describes/explains sound: amplification
- 398 Describes/explains sound: audible range
- 399 Describes/explains sound: carriers/insulators
- 400 Describes/explains sound: compression
- 423 Describes/explains universe: light year
- 425 Describes/explains universe: lunar phases
- 426 Describes/explains universe: moons
- 427 Describes/explains universe: planets
- 428 Describes/explains universe: solar system
- 429 Describes/explains universe: stars
- 430 Describes/explains universe: sun

SCIENCE (S): continued

- 431 Describes/explains weather/climate
- 432 Describes/explains weather/climate: air mass
- 433 Describes/explains weather/climate: altitude
- 434 Describes/explains weather/climate: atmosphere
- 435 Describes/explains weather/climate: barometric pressure
- 436 Describes/explains weather/climate: clouds
- 451 Identifies compounds–inorganic
- 452 Identifies compounds–organic
- 459 Identifies cycles
- 460 Identifies cycles: biological
- 461 Identifies cycles: decay
- 462 Identifies cycles: energy
- 463 Identifies cycles: food webs
- 466 Identifies definitions
- 467 Identifies definitions: operational
- 468 Identifies diseases
- 469 Identifies elements: names/symbols
- 470 Identifies food groups
- 477 Identifies measurement units
- 479 Identifies organisms
- 483 Identifies organisms: plants
- 486 Identifies questions: research
- 493 Measures mass/weight
- 497 Measures volume: liquids/solids, gases

COMPETENCY 4.0 EXAMINE HEALTH AND WELLNESS ISSUES**LANGUAGE ARTS (LA):**

- 005 Adapts strategy: listening
- 007 Adapts strategy: speaking
- 010 Adapts style: cultural differences
- 013 Applies/uses definitions
- 035 Attends directions/task
- 039 Collects/organizes information–oral/written
- 040 Collects/organizes information–oral/written: discussions
- 041 Collects/organizes information–oral/written: library resources
- 046 Collects/organizes information–oral/written: reading
- 074 Composes/edits paragraphs
- 092 Composes/edits reports/essays: information supplying
- 098 Composes/edits reports/essays: summaries
- 102 Composes/edits sentences: capitalization
- 103 Composes/edits sentences: completeness
- 112 Composes/edits sentences: punctuation

LANGUAGE ARTS (LA): continued

- 114 Composes/edits sentences: spelling
- 123 Comprehends information–oral: cause/effect relationships
- 126 Comprehends information–oral: conclusions
- 127 Comprehends information–oral: context
- 129 Comprehends information–oral: purpose
- 134 Comprehends information–written: cause/effect relationships
- 136 Comprehends information–written: charts/tables/graphs
- 138 Comprehends information–written: conclusions
- 139 Comprehends information–written: context
- 145 Comprehends information–written: purpose
- 149 Comprehends information–written: summaries
- 168 Evaluates information–oral: adequacy/sufficiency
- 169 Evaluates information–oral: appropriateness
- 173 Evaluates information–oral: nonprint media
- 177 Evaluates information–oral: relevant/irrelevant
- 182 Evaluates information–written: appropriateness
- 207 Identifies information–oral: key words/phrases
- 210 Identifies information–oral: outcomes/solutions
- 215 Identifies information–written: abbreviations
- 265 Presents informal speech: discussion
- 267 Presents informal speech: information supplying
- 271 Uses dictionary
- 277 Uses library resources: guides
- 278 Uses text resources

MATH (M):

- 015 Calculates/evaluates percent: in/decrease, markup/discount
- 034 Computes addition: whole numbers
- 073 Computes multiplication: whole numbers
- 092 Computes subtraction: whole numbers
- 127 Converts word problems: mathematical expressions
- 134 Distinguishes scientific/standard notation
- 148 Estimates/rounds reasonable answers
- 159 Formulates/verifies questions
- 176 Interprets symbols: $<$, $>$, $=$, e.g.
- 196 Solves equations exponential
- 247 Understands number theory: arithmetic progression
- 253 Understands number theory: sequential outcomes
- 255 Understands power/exponent
- 256 Understands statistics
- 258 Understands statistics: probability
- 261 Uses calculator addition
- 263 Uses calculator exponential functions

MATH(M): continued

266 Uses calculator multiplication

268 Uses calculator subtraction

SCIENCE (S):

002 Analyzes/evaluates chemicals in society: drugs

003 Analyzes/evaluates chemicals in society: fertilizers

004 Analyzes/evaluates chemicals in society: food additives

005 Analyzes/evaluates chemicals in society: MSG

006 Analyzes/evaluates chemicals in society: vitamins

007 Analyzes/evaluates environmental issues

010 Analyzes/evaluates environmental issues: media information

011 Analyzes/evaluates environmental issues: pollution

012 Analyzes/evaluates environmental issues: waste management

013 Analyzes/evaluates experiments

018 Analyzes/evaluates experiments: inferences

019 Analyzes/evaluates experiments: limitations

020 Analyzes/evaluates experiments: operational definitions

021 Analyzes/evaluates experiments: questions

022 Analyzes/evaluates experiments: replications

026 Analyzes/evaluates natural resources

027 Analyzes/evaluates experiments: allocation

029 Analyzes/evaluates natural resources: renewable/nonrenewable

031 Analyzes/evaluates science technology

032 Analyzes/evaluates science technology: implications–economic

033 Analyzes/evaluates science technology: implications–political

034 Analyzes/evaluates science technology: implications–social

035 Analyzes/evaluates science technology: products

036 Analyzes/evaluates science technology: societal influences

039 Applies/uses laboratory instruments

040 Applies/uses laboratory techniques

041 Applies/uses laboratory techniques: safety

042 Applies/uses maps/charts, tables/graphs

043 Applies/uses models/theories/laws

044 Applies/uses scientific methods

046 Applies/uses scientific methods: data gathering

047 Applies/uses scientific methods: observation–direct/indirect

048 Applies/uses scientific methods: predictions

049 Applies/uses scientific methods: problem identification

052 Converts measurement units

053 Describes/explains acids/bases

057 Describes/explains acids/bases: neutralization/salts

058 Describes/explains acids/bases: pH

063 Describes/explains atoms: composition

SCIENCE (S): continued

- 075 Describes/explains biochemistry: body heat
- 077 Describes/explains biochemistry: cellulose
- 080 Describes/explains biochemistry: food energy pyramid
- 090 Describes/explains carbon/organic chemistry: carbohydrates
- 093 Describes/explains carbon/organic chemistry: fats
- 094 Describes/explains carbon/organic chemistry: glucose
- 096 Describes/explains carbon/organic chemistry: hydrocarbons–saturated/unsaturated
- 098 Describes/explains carbon/organic chemistry: lipids
- 100 Describes/explains carbon/organic chemistry: proteins
- 102 Describes/explains carbon/organic chemistry: vitamins
- 103 Describes/explains cells
- 107 Describes/explains cells: homeostasis
- 108 Describes/explains cells: osmosis
- 109 Describes/explains cells: parts/functions
- 110 Describes/explains cells: photosynthesis/ATP
- 113 Describes/explains cells: transport-active/passive
- 114 Describes/explains chemical reactions
- 115 Describes/explains chemical reactions: activation energy
- 116 Describes/explains chemical reactions: catalysts
- 117 Describes/explains chemical reactions: concentration
- 120 Describes/explains chemical reactions: exothermic
- 129 Describes/explains color: rods
- 130 Describes/explains color: spectrum
- 131 Describes/explains conservation
- 132 Describes/explains conservation: energy
- 133 Describes/explains conservation: matter
- 134 Describes/explains conservation: minerals
- 136 Describes/explains conservation: water
- 140 Describes/explains earth: closed system
- 142 Describes/explains earth: crust
- 143 Describes/explains earth: erosion/weathering
- 144 Describes/explains earth: gravity
- 145 Describes/explains earth: latitude–temperature zones
- 150 Describes/explains earth rock cycles
- 153 Describes/explains earth history
- 155 Describes/explains earth history: dating
- 156 Describes/explains earth history: eras
- 161 Describes/explains ecology: community
- 169 Describes/explains ecology: habitats
- 172 Describes/explains ecology: population
- 175 Describes/explains ecology survival mechanisms
- 231 Describes/explains energy
- 232 Describes/explains energy: conversion

SCIENCE (S): continued

- 235 Describes/explains energy: mechanical
- 236 Describes/explains energy: momentum
- 237 Describes/explains energy: power
- 238 Describes/explains energy: theory of relativity
- 239 Describes/explains energy: thermal
- 240 Describes/explains energy/resources
- 241 Describes/explains energy/resources: fossils
- 242 Describes/explains energy: gases
- 243 Describes/explains energy/resources: geothermal
- 244 Describes/explains energy/resources: nuclear
- 245 Describes/explains energy/resources: solar
- 246 Describes/explains energy: water/tides
- 247 Describes/explains energy: wind
- 248 Describes/explains force
- 249 Describes/explains force: balanced/unbalanced
- 250 Describes/explains force: centrifugal/centripetal
- 251 Describes/explains force: friction
- 252 Describes/explains force: gravity
- 261 Describes/explains genetics
- 262 Describes/explains genetics: chromosomes
- 264 Describes/explains genetics: DNA
- 266 Describes/explains genetics: genes
- 268 Describes/explains genetics: inheritance
- 270 Describes/explains genetics: mutations
- 271 Describes/explains genetics: punnett square
- 273 Describes/explains heat
- 275 Describes/explains hear: coolant
- 280 Describes/explains heat: insulation
- 281 Describes/explains heat: radiation
- 282 Describes/explains heat: temperature
- 283 Describes/explains human/animal
- 284 Describes/explains human/animal: aging
- 285 Describes/explains human/animal: blood cells/platelets
- 286 Describes/explains human/animal: blood/blood pressure
- 287 Describes/explains human/animal: cardiovascular system
- 288 Describes/explains human/animal: circulatory system
- 289 Describes/explains human/animal: development
- 290 Describes/explains human/animal: digestive systems
- 291 Describes/explains human/animal: diseases
- 292 Describes/explains human/animal: endocrine system
- 293 Describes/explains human/animal: excretory system
- 294 Describes/explains human/animal: development
- 295 Describes/explains human/animal: homeostasis

SCIENCE (S): continued

- 296 Describes/explains human/animal: hormones
- 297 Describes/explains human/animal: immune system
- 298 Describes/explains human/animal: maintenance/management
- 299 Describes/explains human/animal: metabolism
- 300 Describes/explains human/animal: muscular system
- 301 Describes/explains human/animal: nervous system
- 302 Describes/explains human/animal: organs/transplants
- 303 Describes/explains human/animal: plasma
- 304 Describes/explains human/animal: reproductive system
- 305 Describes/explains human/animal: respiratory system
- 306 Describes/explains human/animal: skeletal system
- 307 Describes/explains human/animal: skin
- 308 Describes/explains human/animal: tissues
- 309 Describes/explains human/animal: weight gain/loss
- 310 Describes/explains kingdoms
- 311 Describes/explains kingdoms: Animalia
- 312 Describes/explains kingdoms: Fungi
- 313 Describes/explains kingdoms: Monera
- 314 Describes/explains kingdoms: Plantae
- 315 Describes/explains kingdoms: Protista
- 316 Describes/explains lenses
- 317 Describes/explains lenses: concave/convex
- 318 Describes/explains lenses: focal length
- 319 Describes/explains lenses: human eye
- 320 Describes/explains light
- 321 Describes/explains light: angle of incidence/reflection
- 322 Describes/explains light: critical angle–fiber optics
- 323 Describes/explains light: diffraction
- 336 Describes/explains light: ultraviolet
- 337 Describes/explains matter
- 340 Describes/explains matter: motion/inertia
- 344 Describes/explains matter: substance
- 345 Describes/explains matter: uses
- 365 Describes/explains organisms
- 366 Describes/explains organisms: adaptation
- 367 Describes/explains organisms: development
- 368 Describes/explains organisms: energy capture/release
- 369 Describes/explains organisms: life cycle
- 377 Describes/explains periodic table: transition metals
- 378 Describes/explains plants
- 380 Describes/explains plants: nitrogen cycle
- 384 Describes/explains plants: photosynthesis
- 391 Describes/explains solutions: polar/nonpolar

SCIENCE (S): continued

- 392 Describes/explains solutions: saturated/unsaturated
- 393 Describes/explains solutions: soluble/insoluble
- 394 Describes/explains solutions: solute
- 395 Describes/explains solutions: solvent
- 396 Describes/explains sound
- 397 Describes/explains sound: amplification
- 398 Describes/explains sound: audible range
- 399 Describes/explains sound: carriers/insulators
- 400 Describes/explains sound: compression
- 401 Describes/explains sound: controls
- 402 Describes/explains sound: decibels/intensity
- 403 Describes/explains sound: Doppler effect
- 405 Describes/explains sound: hearing
- 406 Describes/explains sound: noise/acoustics
- 409 Describes/explains sound: quality
- 410 Describes/explains sound: reflection/interference
- 423 Describes/explains universe: light year
- 425 Describes/explains universe: lunar phases
- 426 Describes/explains universe: moons
- 427 Describes/explains universe: planets
- 428 Describes/explains universe: solar system
- 429 Describes/explains universe: stars
- 430 Describes/explains universe: sun
- 431 Describes/explains weather/climate
- 432 Describes/explains weather/climate: air mass
- 433 Describes/explains weather/climate: altitude
- 434 Describes/explains weather/climate: atmosphere
- 435 Describes/explains weather/climate: barometric pressure
- 436 Describes/explains weather/climate: clouds
- 437 Describes/explains weather/climate: dew point
- 438 Describes/explains weather/climate: fronts
- 441 Describes/explains weather/climate: ozone layer
- 459 Identifies cycles
- 461 Identifies cycles: decay
- 462 Identifies cycles: energy
- 466 Identifies definitions
- 467 Identifies definitions: operational
- 468 Identifies diseases
- 469 Identifies elements: names/symbols
- 470 Identifies food groups
- 479 Identifies organisms
- 480 Describes/explains organisms: bacteria
- 485 Identifies organisms: viruses

SCIENCE (S): continued

- 486 Identifies questions: research
- 491 Measures energy/work
- 492 Measures force
- 493 Measures mass/weight
- 494 Measures pressure
- 495 Measures temperature: F/C
- 496 Measures time

COMPETENCY 5.0 ANALYZE THE INFLUENCE OF TECHNOLOGY ON HEALTH**LANGUAGE ARTS (LA):**

- 005 Adapts strategy: listening
- 007 Adapts strategy: speaking
- 010 Adapts style: cultural differences
- 013 Applies/uses definitions
- 035 Attends directions/task
- 039 Collects/organizes information–oral/written
- 040 Collects/organizes information–oral/written: discussions
- 041 Collects/organizes information–oral/written: library resources
- 046 Collects/organizes information–oral/written: reading
- 074 Composes/edits paragraphs
- 092 Composes/edits reports/essays: information supplying
- 098 Composes/edits reports/essays: summaries
- 102 Composes/edits sentences: capitalization
- 103 Composes/edits sentences: completeness
- 112 Composes/edits sentences: punctuation
- 114 Composes/edits sentences: spelling
- 123 Comprehends information–oral: cause/effect relationships
- 126 Comprehends information–oral: conclusions
- 127 Comprehends information–oral: context
- 129 Comprehends information–oral: purpose
- 134 Comprehends information–written: cause/effect relationships
- 136 Comprehends information–written: charts/tables/graphs
- 138 Comprehends information–written: conclusions
- 139 Comprehends information–written: context
- 145 Comprehends information–written: purpose
- 149 Comprehends information–written: summaries
- 168 Evaluates information–oral: adequacy/sufficiency
- 169 Evaluates information–oral: appropriateness
- 173 Evaluates information–oral: nonprint media
- 177 Evaluates information–oral: relevant/irrelevant

LANGUAGE ARTS (LA): continued

- 182 Evaluates information–written: appropriateness
- 207 Identifies information–oral: key words/phrases
- 210 Identifies information–oral: outcomes/solutions
- 215 Identifies information–written: abbreviations
- 265 Presents informal speech: discussion
- 267 Presents informal speech: information supplying
- 271 Uses dictionary
- 277 Uses library resources: guides
- 278 Uses text resources

MATH (M):

- 021 Calculates/evaluates unit measure: price
- 034 Computes addition: whole numbers
- 073 Computes multiplication: whole numbers
- 092 Computes subtraction: whole numbers
- 127 Converts word problems: mathematical expressions
- 134 Distinguishes scientific/standard notation
- 148 Estimates/rounds reasonable answers
- 159 Formulates/verifies questions
- 176 Interprets symbols: $<$, $>$, $=$, e.g.
- 191 Measures metric: temperature
- 196 Solves equations exponential
- 247 Understands number theory: arithmetic progression
- 253 Understands number theory: sequential outcomes
- 256 Understands statistics
- 258 Understands statistics: probability
- 261 Uses calculator addition
- 266 Uses calculator multiplication
- 268 Uses calculator subtraction

SCIENCE (S):

- 002 Analyzes/evaluates chemicals in society: drugs
- 003 Analyzes/evaluates chemicals in society: fertilizers
- 004 Analyzes/evaluates chemicals in society: food additives
- 005 Analyzes/evaluates chemicals in society: MSG
- 006 Analyzes/evaluates chemicals in society: vitamins
- 007 Analyzes/evaluates environmental issues...
- 010 Analyzes/evaluates environmental issues: media information
- 012 Analyzes/evaluates environmental issues: waste management
- 031 Analyzes/evaluates science technology
- 032 Analyzes/evaluates science technology: implications–economic
- 033 Analyzes/evaluates science technology: implications–political

SCIENCE (S): continued

- 034 Analyzes/evaluates science technology: implications–social
- 036 Analyzes/evaluates science technology: societal influences
- 042 Applies/uses maps/charts/tables/graphs
- 045 Applies/uses scientific methods: analysis–qualitative/quantitative
- 046 Applies/uses scientific methods: data gathering
- 048 Applies/uses scientific methods: predictions
- 049 Applies/uses scientific methods: problem identification
- 093 Describes/explains carbon/organic chemistry: fats
- 094 Describes/explains carbon/organic chemistry: glucose
- 098 Describes/explains carbon/organic chemistry: lipids
- 100 Describes/explains carbon/organic chemistry: proteins
- 102 Describes/explains carbon/organic chemistry: vitamins
- 244 Describes/explains energy/resources: nuclear
- 261 Describes/explains genetics
- 262 Describes/explains genetics: chromosomes
- 264 Describes/explains genetics: DNA
- 265 Describes/explains genetics: dominant/recessive
- 266 Describes/explains genetics: genes
- 268 Describes/explains genetics: inheritance
- 269 Describes/explains genetics: mitosis/meiosis
- 270 Describes/explains genetics: mutations
- 284 Describes/explains human/animal: aging
- 287 Describes/explains human/animal: cardiovascular system
- 289 Describes/explains human/animal: development
- 291 Describes/explains human/animal: diseases
- 292 Describes/explains human/animal: endocrine system
- 297 Describes/explains human/animal: immune system
- 298 Describes/explains human/animal: maintenance/management
- 299 Describes/explains human/animal: metabolism
- 301 Describes/explains human/animal: nervous system
- 302 Describes/explains human/animal: organs/transplants
- 303 Describes/explains human/animal: plasma
- 304 Describes/explains human/animal: reproductive system
- 307 Describes/explains human/animal: skin
- 309 Describes/explains human/animal: weight gain/loss
- 313 Describes/explains kingdoms: Monera
- 314 Describes/explains kingdoms: Plantae
- 319 Describes/explains lenses: human eye
- 328 Describes/explains light: lasers
- 396 Describes/explains sound
- 459 Identifies cycles
- 461 Identifies cycles: decay
- 466 Identifies definitions

SCIENCE (S): continued

- 466 Identifies definitions
- 468 Identifies diseases
- 469 Identifies elements: names/symbols
- 470 Identifies food groups

COMPETENCY 6.0 DEVELOP AN EMPLOYMENT PLAN**LANGUAGE ARTS (LA):**

- 013 Applies/uses definitions
- 020 Applies/uses study habits/methods
- 035 Attends directions/task
- 038 Collects/organizes information–oral/written
- 121 Comprehends information–oral
- 132 Comprehends information–written
- 176 Evaluates information–oral: relationship of ideas
- 188 Evaluates information–written: relationship of ideas

MATH (M):

- 018 Calculates/evaluates reasoning: invalid arguments
- 158 Formulates/verifies conclusions
- 159 Formulates/verifies questions
- 174 Interprets charts/tables/graphs
- 183 Measures direct: time
- 186 Measures indirect: formulas
- 229 Solves problems generate conclusions: deductive reasoning
- 240 Understands definitions

SCIENCE (S):

- 042 Applies/uses maps/charts/tables/graphs
- 044 Applies/uses scientific methods
- 045 Applies/uses scientific methods: analysis–qualitative/quantitative
- 046 Applies/uses scientific methods: data gathering
- 466 Identifies definitions

COMPETENCY 7.0 DEMONSTRATE JOB SEARCH SKILLS**LANGUAGE ARTS (LA):**

- 005 Adapts strategy: listening
- 007 Adapts strategy: speaking
- 011 Adapts style: cultural differences

LANGUAGE ARTS (LA): continued

- 013 Applies/uses definitions
- 020 Applies/uses study habits/methods
- 035 Attends directions/task
- 036 Attends nonverbal cues
- 037 Attends verbal cues
- 038 Collects/organizes information–oral/written
- 062 Presents formal speech: expository
- 063 Presents formal speech: persuasive
- 102 Composes/edits sentences: capitalization
- 103 Composes/edits sentences: completeness
- 112 Composes/edits sentences: punctuation
- 114 Composes/edits sentences: spelling
- 115 Composes/edits sentences: subject/verb agreement
- 121 Comprehends information–oral
- 129 Comprehends information–oral: purpose
- 132 Comprehends information–written
- 169 Evaluates information–oral: appropriateness
- 207 Identifies information–oral: key words/phrases
- 209 Identifies information–oral: mood/tone
- 269 Presents information speech: interview

MATH (M):

- 158 Formulates/verifies conclusions
- 159 Formulates/verifies questions
- 174 Interprets charts/tables/graphs
- 229 Solves problems generate conclusions: deductive reasoning
- 240 Understands definitions

SCIENCE (S):

- 039 Applies/uses laboratory instruments
- 046 Applies/uses scientific methods: data gathering
- 466 Identifies definitions
- 486 Identifies questions: research

COMPETENCY 8.0 DEMONSTRATE EMPLOYABILITY SKILLS**LANGUAGE ARTS (LA):**

- 002 Adapts diction/structure: audience
- 003 Adapts diction/structure: purpose
- 004 Adapts diction/structure: situation
- 005 Adapts strategy: listening

LANGUAGE ARTS (LA): continued

- 007 Adapts strategy: speaking
- 010 Adapts style: audience
- 011 Adapts style: cultural differences
- 012 Adapts style: purpose
- 013 Applies/uses definitions
- 020 Applies/uses study habits/methods
- 035 Attends directions/task
- 036 Attends nonverbal cues
- 037 Attends verbal cues
- 038 Collects/organizes information–oral/written
- 048 Composes/edits agenda
- 121 Comprehends information–oral
- 129 Comprehends information–oral: purpose
- 132 Comprehends information–written
- 209 Identifies information–oral: mood/tone
- 264 Presents informal speech

MATH (M):

- 158 Formulates/verifies conclusions
- 159 Formulates/verifies questions
- 229 Solves problems generate conclusions: deductive reasoning
- 240 Understands definitions

SCIENCE (S):

- 044 Applies/uses scientific methods
- 045 Applies/uses scientific methods: analysis–qualitative/quantitative
- 046 Applies/uses scientific methods: data gathering
- 047 Applies/uses scientific methods: observation–direct/indirect
- 048 Applies/uses scientific methods: predictions
- 049 Applies/uses scientific methods: problem identification
- 466 Identifies definitions
- 486 Identifies questions: research