

APPENDIX A: ACADEMIC WORD LISTS

FOURTH-GRADE LISTS

FOURTH-GRADE SOCIAL STUDIES

abolition	Axis Powers	branch	checks and balances
adapt	band	brand	circle graph
adobe	barbed wire	brazilwood	citizen
aerospace	barter	budget	city council
agribusiness	basin	butte	city manager
agriculture	Battle of the Alamo	canal	civil rights
alliance	Battle of Boyaca	candidate	Civil War
Allies	Battle of San Jacinto	cape	civilization
ally	bay	capital	climate
amendment	belt	capital resources	coast
American Revolution	bilingual	cardinal directions	coastal plain
ancestor	bill	cash crop	cold front
Anglo-Americans	Black Codes	cattle drive	colony
annexation	blizzard	cause	Columbian exchange
archaeology	blockade	cavalry	command economy
arid	boom town	CD-ROM	commemorate
artifact	border	census	commercial farming
assembly line	boundary	Central Powers	communication
atmosphere	boycott	century	commuter

FOURTH-GRADE SOCIAL STUDIES (CONT.)

compass rose	delegate	equator	Goliad Massacre
Compromise of 1850	delta	erosion	goods
conclusion	demand	ethnic group	government
Confederacy	democracy	evaluate	governor
conflict	democratic republic	evaporation	Grange
congress	dictator	executive branch	graph
conqueror	dictionary	expedition	Great Depression
conquistador	distribution map	explore	guide word
consequence	drip irrigation	export	gusher
conservation	dugout	extinct	habitat
constitution	ecology	fact	hemisphere
consumer	economy	factors of production	heritage
continent	ecosystem	factory	high-tech industry
convention	editorial	fault	historical map
cost of living	effect	fertile	history
county	elect	flow resources	homestead
cradleboard	election	food processing	Hood's Texas Brigade
crop rotation	elevated train	forecast	hub
crops	elevation	fossil fuel	humid
crude oil	Emancipation Proclamation	frame of reference	hunters and gatherers
culture	empire	free-enterprise system	hurricane
dam	empresario	Freedmen's Bureau	hydroelectric power
Davis Guards	encyclopedia	frontier	Ice Age
debt	enslaved	generalization	immigration
decade	entrepreneur	geography	import
decision	environment	glacier	index
degrees		globe	industrialization

FOURTH-GRADE SOCIAL STUDIES (CONT.)

industry	line graph	missionary	Plan of Iguala
inference	livestock	monarchy	plantation
interdependent	locator	municipal government	point of view
interior	lock	mural	political
intermediate directions	longhorn	NAFTA	political map
international	longitude	natural resource	political party
international law	Louisiana Purchase	New Deal	pollution
international trade	lowland	nomadic	population
Internet	lumber	nonrenewable	port
interstate highway	manifest destiny	nonrenewable resources	prairie
invention	manufacturing	Norteño	prairie dog
investor	map	nutrients	precipitation
irrigation	map key	ocean	prehistory
isthmus	map scale	The Old Three Hundred	presidio
jazz	map symbol	Olympic Games	primary source
judicial branch	maquiladoras	opinion	prime meridian
jury	marsh	opportunity cost	producer
kerosene	mayor	parallel	product
landform	meridian	peninsula	professional
landform maps	mesa	petrochemical	profit
large-scale map	mesquite	physical features	prosperity
latitude	mestizo	physical maps	pueblo
legend	metropolitan area	pilgrim	Pulitzer Prize
legislative branch	Mexican War	pioneer	ragtime
levee	mineral	plain	ranch
liberty	mining		raw materials
	mission		Reconstruction

FOURTH-GRADE SOCIAL STUDIES (CONT.)

recreation	senator	term	vegetation
reference source	service	Terry's Texas Rangers	vegetation map
refinery	service industry	Texas Declaration of Independence	veto
reform	sharecropper	Texas Railroad Commission	volunteer
region	skilled worker	Texas Rangers	wages
relative location	skyscraper	Texas Revolution	wagon train
religion	slavery	textile	weather
renewable	small-scale map	time line	weathering
report	sod	tornado	wilderness
representative	special district	tourist	World War I
republic	specialize	trade	World War II
research	stampede	transportation	World Wide Web
reservation	states' rights	transportation map	
reservoir	stock	treaty	
resolution	subsistence farming	Treaty of Guadalupe Hidalgo	
river basin	suburb	Treaty of Medicine Lodge Creek	
road map	subway	Treaty of Velasco	
Roaring Twenties	suffrage	tributary	
Runaway Scrape	summary	tribute	
rural	Sun Belt	trotline	
scale	supply	tundra	
scarcity	tax	Union	
seasonal	technology	U.S. Congress	
secede	teepee	U.S. Supreme Court	
secondary source	Tejano	urban	
seeds of change	temperate		
segregation	temperature		

FOURTH-GRADE MATHEMATICS

absolute value	composite number	elapsed time	inference
acute angle	congruent	equation	integer
addend	conversion	equivalent	inverse
addition	convert	equivalent fractions	is greater than
angle	coordinate plane	estimate	is less than
approximation	coordinates	estimation	isosceles
area	cubic units	expanded form	kilo-
array	cup	exponent	kilogram
associative property of addition	customary	expression	length
associative property of multiplication	data	face	line of symmetry
average	decimal	fact family	linear function
bar graph	decimal equivalent	factor	liter
base	decimal point	foot	mass
benchmark	degree	fraction	mean
bilateral symmetry	denominator	frequency table	median
capacity	deposit	function	meter
celsius	diameter	gallon	method
centi-	difference	gram	metric system
centimeter	digit	graph	milliliter
commutative property of addition	distributive property of multiplication	grid	minuend
commutative property of multiplication	dividend	grid intersection	mixed number
compatible numbers	divisible	hundredth	mode
composite	divisor	hypotenuse	multiple
	double bar graph	improper fraction	multiplicand
	doubles	inch	multiplier
		inequality	multiply

FOURTH-GRADE MATHEMATICS (CONT.)

negative integer	prime number	sum
net	probability	survey
number line	product	tally chart
numerator	Pythagorean theorem	tenth
obtuse angle	quadrilateral	ton
ordered pair	quart	transformation
origin	quotient	translation
ounce	radius	tree diagram
outcome	range	unit cost
parallel	rational number	vertex
parentheses	ray	volume
partial product	reflection	weight
pattern	regroup	withdraw
percent	regular polygon	
perimeter	remainder	
perimeter area	right angle	
perpendicular	rotation	
pint	round	
place value	rounding	
plane	scale	
plane figure	sequence	
point	similar	
polygon	solid figure	
polyhedron	solve	
positive integer	square units	
power	standard form	
precision	subtrahend	

FOURTH-GRADE SCIENCE

adaptation	community	electric current	heart
adult	compare	electromagnet	heat
air mass	components	embryo	herbivore
air pressure	conclusion	environment	hibernate
artery	condensation	era	humus
atmosphere	conduction	erosion	hypothesize
atom	conductors	esophagus	igneous rock
axis	conservation	evaporation	inclined plane
behavior	constant	experiment	infer
biodegradable	constellation	external stimulus	inherit
blood	consumer	extinct	inherited behavior
buoyant	convection	flow	instinct
camouflage	core	food chain	insulators
capacity	crust	food web	internal stimulus
capillary	data	force	investigate
carnivore	decay	fossil	kinetic energy
cell	decomposer	fossil fuel	large intestine
chemical change	density	friction	larva
chemical property	deposition	front	lava
chemical reaction	digestive system	galaxy	leaf
chlorophyll	dissolve	gas giants	learned behavior
circulatory system	ecosystem	generator	lever
classify	egg	germinate	life cycle
climate	electric cell	gravity	life process
collaborate	electric charges	greenhouse effect	life span
communicate	electric circuit	habitat	light

FOURTH-GRADE SCIENCE (CONT.)

lunar eclipse	nymph	producer	series circuit
magma	observe	product	simple machine
magnet	omnivore	pulley	skeletal system
magnetic field	orbit	radiation	small intestine
magnetic poles	organ	rainforest	soil
mantle	organ system	reactant	solar system
map	organic matter	recycling	solution
mass	organism	reflection	sound
matter	paleontologist	refraction	species
measure	parallel circuit	reliability	speed
metamorphic rock	phases of the Moon	renewable resource	star
metamorphosis	photosynthesis	reproduce	states of matter
metric system	physical change	reproduction	static electricity
microorganism	physical property	research	stem
migrate	planet	respiratory system	stimulus
mimicry	polar climate	response	stomach
mineral	pollinator	revolution	symmetry
mixture	pollutant	rock	table
model	pollution	rock cycle	temperate climate
molecule	population	root	temperate zone
motion	position	rotation	temperature
motor	potential energy	scavenger	theory
muscular system	prairie	sediment	thermal energy
natural resource	precipitation	sedimentary rock	tissue
niche	predator	seed	topsoil
nonrenewable resource	predict	seed dispersal	trait
	prey	sequence	translation

FOURTH-GRADE SCIENCE (CONT.)

tropical climate

universe

vein

velocity

vibration

volume

water cycle

weather

weathering

wedge

weight

wheel and axle

wind

FIFTH-GRADE LISTS

FIFTH-GRADE SOCIAL STUDIES

abolitionist	baby boom	canal	circumnavigate
absolute location	backcountry	cape	citizen
accord	banish	capital	civil rights
agriculture	bar graph	capital resources	Civil War
alliance	barbed wire	capitalism	civilian
ally	barrier	caravan	civilization
amendments	barter	caravel	claim
annexation	battle	cardinal directions	clan
antifederalist	battle map	carpetbaggers	climate
apprentice	benefit	cash crop	coalition
armada	Bill of Rights	casualties	colonization
armistice	Black Codes	cause	colony
arms race	boomtown	cease-fire	commander
artisan	border state	century	communism
assassination	boycott	ceremony	compact
assembly line	budget	cession	compass rose
assimilate	Cabinet	charter	competition
astrolabe	camp	checks and balances	compromise
atomic bomb	campaign	circle graph	concentration camp

FIFTH-GRADE SOCIAL STUDIES (CONT.)

Confederacy	dictator	export	high-tech
confederation	discoveries	extinct	home front
conflict	discrimination	fact	homestead
congress	dissenter	fall line	human resources
conquistador	diversity	famine	immigrant
conservation	division of labor	federal	immigration
constitution	draft	federalism	impeach
consumer	drought	flatboat	imperialism
convert	economic depression	foreign policy	import
corporation	economy	forty-niner	impressment
corps	ecosystem	free enterprise	inauguration
correspondence	effect	free market economy	indentured servant
cost	Electoral College	free state	independence
credit	emancipation	free-trade agreement	indigo
data	Emancipation Proclamation	freedmen	individualism
debtor	empire	Freedmen's Bureau	Industrial Revolution
decade	entrepreneur	front	industry
declaration	environment	frontier	inflation
deficit	epidemic	fugitive	injustice
delegate	equator	geography	inset map
demand	erosion	glacier	interchangeable parts
democracy	ethnic	gold rush	interdependent
demonstration	ethnic group	Great Compromise	interest
depression	executive branch	growing season	intermediate directions
deregulation	Exoduster	habitat	International Date Line
desegregation	expedition	hacienda	Internet
desert		heritage	

FIFTH-GRADE SOCIAL STUDIES (CONT.)

internment camp	mechanization	nonviolent protest	population map
interpreter	mercenary	Northwest Passage	potlatch
invasion	merchant	nullification	preamble
invest	meridian	olive branch	precipitation
irrigation	Middle Passage	opinion	prejudice
isolationism	migrant worker	opportunity cost	presidio
isthmus	migration	ordinance	primary source
Jim Crow	militia	outline	prime meridian
judicial branch	millennium	overseer	proclamation
kingdom	mineral	parallel	productivity
labor union	minutemen	parallel timelines	profit
laborer	mission	patriot	progressives
landform	missionary	persecution	proprietor
legislative branch	monopoly	petition	prosperity
legislature	motto	philanthropist	protest
liberty	muckraker	physical map	province
line graph	multicultural	pilgrim	pueblo
lodge	NAFTA	pioneer	quarter
longhouse	nationalism	plantation	railhead
loyalist	natural resources	plantation system	rapid transit
manifest destiny	naturalization	plateau	ratify
manufacturer	navigation	point of view	rebellion
map legend	neutral	political map	Reconstruction
map scale	New Jersey Plan	political party	reform
maquiladora	nomad	pollution	refuge
mass production	nonrenewable	popular vote	refugee
massacre	resource	population	region

FIFTH-GRADE SOCIAL STUDIES (CONT.)

register	slave state	tenement	victory
Renaissance	slave trade	territory	Virginia Plan
renewable resource	slavery	terrorism	volunteer
repeal	slum	textile	wagon train
representative	smuggling	tidewater	wampum
republic	sodbusters	time zone	war bonds
research	source	timeline	world war
reservation	space race	tolerance	
resign	specialization	total war	
responsibility	spiritual	town meeting	
retreat	staple	trade	
revolt	states' rights	trade union	
revolution	stock	traitor	
rights	stock market	transcontinental	
ruling	stockyard	transcontinental railroad	
scalawag	strategy	travois	
scarcity	strike	treason	
secession	suffrage	treaty	
secondary source	summary	trench warfare	
sectionalism	supply	trial by jury	
segregation	surplus	unalienable rights	
self-government	surrender	unconstitutional	
settlement	tariff	Underground Railroad	
settlement house	tax	unemployment	
sharecropping	technology	Union	
Silk Road	telegraph	veteran	
skyscraper	temperance	veto	

FIFTH-GRADE MATHEMATICS

absolute zero	composite number	elapsed time	gram
addend	concave	equally likely	graph
algorithm	cone	equation	greatest common factor (GCF)
angle	congruent	equilateral triangle	hundredths
approximation	constant	equivalent fraction	identity function
area	convex	estimate	impossible
associative law	coordinate	evaluate	improper fraction
average	coordinate grid	expanded form	integer
axis	corresponding	experiment	inverse operation
bar graph	counterclockwise	exponent	isosceles triangle
base	cup	expression	iterated
billions	customary system	face	kilometer
capacity	customary units	factor	kilogram
Celsius	cylinder	factor tree	like denominators
centimeter	data	Fahrenheit	line
certain	decimal	favorable outcome	line graph
circle graph	defining the variable	fluid ounce	line plot
clockwise	degree	foot	linear equation
clustering	denominator	formula	liter
common	diameter	fraction	map scale
denominator	difference	frequency table	mass
common factor	discount	function	mean
commutative law	distributive law	function machine	median
compatible numbers	dividend	function table	meter
compensation	divisor	gallon	metric system
composite	edge	generalization	

FIFTH-GRADE MATHEMATICS (CONT.)

mile	prime factorization	solution
mixed number	prime number	standard form
mode	prism	standard notation
multiple	probability	straight angle
multiplicand	product	sum
multiplier	quadrant	surface area
negative	quadrilateral	tenth
net	quotient	thousandth
numerator	range	three-dimensional figure
ordered pair	rate	ton
ounce	ratio	transformation
outcome	rational number	translate
parallel lines	rectangular prism	tree diagram
parallelogram	reflect	triangle
partial product	regroup	value
pattern	relationship	variable
percent	remainder	vertex
perimeter	rhombus	volume
period	right angle	weight
perpendicular	rotate	whole number
pictograph	rotational symmetry	x-coordinate
picture graph	round	y-coordinate
place value	scale	
point	scalene triangle	
polygon	sector	
polyhedron	similar	
pound	simplest form	

FIFTH-GRADE SCIENCE

acceleration	classify	diffusion	fold mountains
acquired trait	climate	DNA	food chain
adaptation	collaborate	dome mountains	food web
air mass	comet	dominant trait	force
angiosperms	communicate	earthquake	fossil
asexual reproduction	community	ecosystem	fossil fuel
asteroid	compare	el Niño	friction
atmosphere	components	electric cell	front
atom	compound	electric circuit	fungi
autumnal equinox	conclusion	electric current	galaxy
axis	condensation	electric generator	gas
biome	conduction	electric motor	gene
boiling point	conductivity	electromagnet	grasslands
carbon cycle	conductor	electron	gravity
cell	conservation	element	gymnosperms
characteristic	constructive force	endangered species	habitat
chemical change	consumer	energy	heat
chemical formula	contour lines	epicenter	heredity
chemical property	convection	erosion	hybrid
chemical symbol	core	evaluation	hypothesize
chlorophyll	crust	experiment	infer
chloroplasts	data	extinction	inner planets
chromosome	density	fault	insulator
cilia	deposition	fault-block mountains	invertebrate
circuit	desert	flagellum	investigate
classification	destructive force	focus	kinetic energy

FIFTH-GRADE SCIENCE (CONT.)

kingdom	newton	plate tectonics	selective breeding
landform	niche	pollination	semi-metal
life cycle	nitrogen cycle	pollution	series circuit
light-year	noble gas	population	sexual reproduction
liquid	nonmetal	population density	simple machine
lithosphere	nonrenewable resource	potential energy	soil
lunar cycle	nonvascular plant	predator	soil profile
lunar eclipse	nucleotide	predict	solar eclipse
magma	nucleus	prey	solid
magnitude	observe	producer	solubility
mantle	ocean current	protist	solute
measure	orbit	proton	solution
mechanical wave	organ	protostar	solvent
melting	organ system	radiation	speed
melting point	organelle	recessive trait	spores
mesosphere	osmosis	record data	stars
metal	outer planets	recycling	state of matter
meteor	parallel circuit	reflection	static electricity
meteorites	penumbra	refraction	stomata
mixture	periodic table	reliability	stratosphere
model	phloem	renewable resource	sublimation
molecule	photosynthesis	research	subsoil
moon phases	physical change	residual soil	summer solstice
motion	physical property	revolution	switch
mutation	pitch	scientific inquiry	symbiosis
natural resource	planet	sediment	table
neutron		seismic waves	taiga

FIFTH-GRADE SCIENCE (CONT.)

technology work

temperate xylem

temperature

theory

thermal energy

thermal expansion

thermosphere

threatened species

tissue

topographic map

topsoil

transpiration

transported soil

tropical rainforests

troposphere

umbra

vaporization

vascular plant

velocity

vernal equinox

vertebrate

vibration

visible light

voltage

volume

weathering

winter solstice

