

## Cycle 1

	Subject	Week 1
New Grammar	<b>History</b> <b><i>Tell me about commandments 1-5.</i></b> Thou shalt... 1. have no other gods before me. 2. not make unto thee any graven image. 3. not take the name of the Lord thy God in vain. 4. remember the Sabbath day, to keep it holy. 5. honor thy father and mother: that thy days may be long upon the land the Lord thy God giveth thee.	
	<b>Timeline</b> <b><i>Age of Ancient Empires</i></b> Creation and the Fall The Flood and the Tower of Babel Mesopotamia and Sumer Egyptians Indus River Valley Civilization Minoans and Mycenaean's	
	<b>Geography</b> <i>Fertile Crescent</i> Mediterranean Sea Mesopotamia Euphrates River Tigris River Sumer	
	<b>Math</b> <i>1s and 2s</i> 1 2 3 4 5 6 7 8 9 10 11 12 2 4 6 8 10 12 14 16 18 20 22 24	
	<b>English Grammar</b> <i>Preposition</i> A PREPOSITION relates a noun or pronoun to another word.	
	<b>Latin</b> <b><i>Noun Cases</i></b> Nominative                      Subject Genitive                         Possessive Dative                            Indirect Object Accusative                       Direct Object Ablative                         Object of the preposition	
	<b>Science</b> <i>What are the classifications of living things?</i> Kingdom, Phylum, Class, Order, Family, Genus, Species	
	<b>Presentations</b>	
	<b>Fine Arts</b> <b><i>Drawing</i></b> -Basic Shapes - OILS	
	<b>Hands-On Science</b> VanCleave Science Experiment #45	
	<b>Review</b>	

# Cycle 1

	Subject	Week 2
New Grammar	<b>History</b> <b><i>Tell me about commandments 6-10.</i></b> Thou shalt... 6. not kill. 7. not commit adultery. 8. not steal. 9. not bear false witness against thy neighbor. 10. not covet.	
	<b>Timeline</b> Seven Wonders of the Ancient World Patriarchs of Israel Hittites and Canaanites Kush Assyrians Babylonians China's Shang Dynasty	
	<b>Geography</b> <i>Assyrian Empire</i> Red Sea Persian Gulf Caspian Sea Black Sea Babylon	
	<b>Math</b> <i>3s and 4s</i> 3 6 9 12 15 18 21 24 27 30 33 36 4 8 12 16 20 24 28 32 36 40 44 48	
	<b>English Grammar</b> <i>Prepositions</i> about above across after against	
	<b>Latin</b> <b><i>Noun Cases</i></b> Nominative                      Subject Genitive                          Possessive Dative                              Indirect Object Accusative                        Direct Object Ablative                           Object of the preposition	
	<b>Science</b> <i>What are the five kingdoms of living things?</i> Animalia, Plantae, Fungi, Protista, Monera	
<b>Presentations</b>		
<b>Fine Arts</b> <b><i>Drawing</i></b> - Mirror Images		
<b>Hands-On Science</b> VanCleave Science Experiments #54 and #56		
<b>Review</b>		

## Cycle 1

	Subject	Week 3
New Grammar	<b>History</b> <i>Tell me about the Greek and Roman gods.</i> <div><div><u>Greek gods</u> Zeus Hera Ares Aphrodite Artemis Hermes</div><div><u>Roman gods</u> Jupiter Juno Mars Venus Diana Mercury</div></div>	
	<b>Timeline</b> Hinduism in India Phoenicians and the Alphabet Olmecs of Mesoamerica Israelite Exodus and Desert Wandering Israelite Conquest and Judges Greek Dark Ages Israel's United Kingdom	
	<b>Geography</b> <i>Hebrew Empire</i> Judah Israel Jordan River Dead Sea Phoenicia Sea of Galilee	
	<b>Math</b> <i>5s and 6s</i> 5 10 15 20 25 30 35 40 45 50 55 60 6 12 18 24 30 36 42 48 54 60 66 72	
	<b>English Grammar</b> <i>Prepositions</i> along      amid      among      around      at      atop	
	<b>Latin</b> <i>Noun endings (1<sup>st</sup> Declension)</i> <div><div></div><div>Singular</div><div>Plural</div></div> <div><div>Nominative</div><div>-a</div><div>-ae</div></div> <div><div>Genitive</div><div>-ae</div><div>-ārum</div></div> <div><div>Dative</div><div>-ae</div><div>-īs</div></div> <div><div>Accusative</div><div>-am</div><div>-ās</div></div> <div><div>Ablative</div><div>-ā</div><div>-īs</div></div>	
	<b>Science</b> <i>What are some parts of an animal cell?</i> Nucleus, Cytoplasm, Vacuole, Mitochondria, Cell membrane, Golgi bodies	
	<b>Presentations</b>	
<b>Fine Arts</b> <i>Drawing – Upside-Down Image</i>		
<b>Hands-On Science</b> VanCleave Science Experiments #57 and #58		
<b>Review</b>		

## Cycle 1

	Subject	Week 4																		
New Grammar	<b>History</b> <i>Tell me about the Seven Wonders of the Ancient World.</i> The Seven Wonders of the Ancient World are: the Great Pyramids, Hanging Gardens, Temple of Artemis, Statue of Zeus, the Mausoleum, Pharos Lighthouse, and Colossus of Rhodes.																			
	<b>Timeline</b> Early Native Americans Israel Divides into Two Kingdoms Homer and Hesiod Rome Founded by Romulus and Remus Israel Falls to Assyria Assyria Falls to Babylon Lao-Tzu, Confucius, Buddha																			
	<b>Geography</b> <i>Hittite Empire</i> Hattusa/Hatti Asia Minor Turkey Arabian Desert Cyprus																			
	<b>Math</b> <i>7s and 8s</i> 7 14 21 28 35 42 49 56 63 70 77 84 8 16 24 32 40 48 56 64 72 80 88 96																			
	<b>English Grammar</b> <i>Prepositions</i> before behind below beneath beside																			
	<b>Latin</b> <i>Noun endings (1<sup>st</sup> Declension)</i> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-a</td><td>-ae</td></tr><tr><td>Genitive</td><td>-ae</td><td>-ārum</td></tr><tr><td>Dative</td><td>-ae</td><td>-īs</td></tr><tr><td>Accusative</td><td>-am</td><td>-ās</td></tr><tr><td>Ablative</td><td>-ā</td><td>-īs</td></tr></table>		Singular	Plural	Nominative	-a	-ae	Genitive	-ae	-ārum	Dative	-ae	-īs	Accusative	-am	-ās	Ablative	-ā	-īs	
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Dative	-ae	-īs																		
Accusative	-am	-ās																		
Ablative	-ā	-īs																		
<b>Science</b> <i>What are some parts of a plant cell?</i> Nucleus, Cell membrane, Cytoplasm, Cell wall, Vacuole, Chloroplasts, Mitochondria																				
<b>Presentations</b>																				
<b>Fine Arts</b> <i>Drawing</i> – Abstract Art																				
<b>Hands-On Science</b> VanCleave Science Experiment #62																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 5																		
New Grammar	<b>History</b> <b><i>Tell me about the split of the Roman Empire.</i></b> The Roman Republic fought the Punic Wars, which were followed by the Pax Romana. In 286 AD, the empire divided into the Western and Eastern empires until the Germanic barbarians defeated the Western Empire, in 476 AD.																			
	<b>Timeline</b> Judah Falls to Babylon, Temple Destroyed Babylon Falls to Persia Jews Return and Rebuild the Temple Roman Republic Golden Age of Greece Peloponnesian Wars Persia Falls to Alexander the Great																			
	<b>Geography</b> <b><i>Egyptian Empire</i></b> Egypt Nile River Upper/Lower Egypt West/East Deserts Nile Delta Crete																			
	<b>Math</b> <i>9s and 10s</i> 9 18 27 36 45 54 63 72 81 90 99 108 10 20 30 40 50 60 70 80 90 100 110 120																			
	<b>English Grammar</b> <i>Prepositions</i> between beyond but by concerning																			
	<b>Latin</b> <b><i>Noun endings (2<sup>nd</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ī</td></tr><tr><td>Genitive</td><td>-ī</td><td>-ōrum</td></tr><tr><td>Dative</td><td>-ō</td><td>-īs</td></tr><tr><td>Accusative</td><td>-um</td><td>-ōs</td></tr><tr><td>Ablative</td><td>-ō</td><td>-īs</td></tr></table>		Singular	Plural	Nominative	-us	-ī	Genitive	-ī	-ōrum	Dative	-ō	-īs	Accusative	-um	-ōs	Ablative	-ō	-īs	
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Ablative	-ō	-īs																		
<b>Science</b> <b><i>What are the major groups of invertebrates?</i></b> Sponges, Mollusks, Stinging-cell animals, Sea stars, Flatworms, Arthropods, Roundworms, Segmented worms																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Drawing</i></b> - Perspective																			
	<b>Hands-On Science</b> VanCleave Science Experiements #63 and #64																			
	<b>Review</b>																			

## Cycle 1

	Subject	Week 6																		
New Grammar	<b>History</b> <i>Tell me about the fall of Rome.</i> Taxes, slavery, unemployment and diseases all contributed to the fall of Rome.																			
	<b>Timeline</b> India's Mauryan Empire Mayans of Mesoamerica Punic Wars Rome Conquers Greece Roman Dictator Julius Caesar Caesar Augustus and the Pax Romana John the Baptist																			
	<b>Geography</b> <i>Roman Empire</i> Spain Gaul/France Germania/Germany Alexandria Carthage																			
	<b>Math</b> <i>11s and 12s</i> 11 22 33 44 55 66 77 88 99 110 121 132 12 24 36 48 60 72 84 96 108 120 132 144																			
	<b>English Grammar</b> <i>Prepositions</i> down during except for from																			
	<b>Latin</b> <i>Noun endings (2<sup>nd</sup> Declension)</i> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ī</td></tr><tr><td>Genitive</td><td>-ī</td><td>-ōrum</td></tr><tr><td>Dative</td><td>-ō</td><td>-īs</td></tr><tr><td>Accusative</td><td>-um</td><td>-ōs</td></tr><tr><td>Ablative</td><td>-ō</td><td>-īs</td></tr></table>		Singular	Plural	Nominative	-us	-ī	Genitive	-ī	-ōrum	Dative	-ō	-īs	Accusative	-um	-ōs	Ablative	-ō	-īs	
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Genitive	-ī	-ōrum																		
Dative	-ō	-īs																		
Accusative	-um	-ōs																		
Ablative	-ō	-īs																		
<b>Science</b> <i>What are the major groups of vertebrates?</i>  Fish, Amphibians, Reptiles, Mammals, Birds																				
<b>Presentations</b>																				
<b>Fine Arts</b> <i>Drawing</i> – Final Project																				
<b>Hands-On Science</b> VanCleave Science Experiments #65 and #66																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 7																		
New Grammar	<b>History</b> <b><i>Tell me about Hinduism.</i></b> Hinduism, founded around 1500 B.C., teaches Brahman is the “one great spirit” and that people are divided into castes. Founded around 530 B.C., Buddhism teaches that Siddhartha was the “enlightened one.”																			
	<b>Timeline</b> Jesus the Messiah Pentecost and the Early Church Persecution Spreads the Gospel Herod’s Temple Destroyed by Titus Diocletian Divides the Roman Empire Constantine Legalizes Christianity India’s Gupta Dynasty																			
	<b>Geography</b> <b><i>Indus River</i></b> Ganges River Himalayas Arabian Sea Bay of Bengal Great Indian Desert																			
	<b>Math</b> <i>13s (up to 13 x 13)</i> 13 26 39 52 65 78 91 104 117 130 143 156 169																			
	<b>English Grammar</b> <b><i>Prepositions</i></b> in inside into like near																			
	<b>Latin</b> <b><i>Noun endings (3<sup>rd</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>various</td><td>-ēs</td></tr><tr><td>Genitive</td><td>- is</td><td>-um</td></tr><tr><td>Dative</td><td>- ī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-e</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	various	-ēs	Genitive	- is	-um	Dative	- ī	-ibus	Accusative	-em	-ēs	Ablative	-e	-ibus	
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Dative	- ī	-ibus																		
Accusative	-em	-ēs																		
Ablative	-e	-ibus																		
<b>Science</b> <b><i>How do animals reproduce?</i></b> Live birth Eggs Fragmentation																				
<b>Presentations</b>																				
<b>Fine Arts</b> <b><i>Tin Whistle</i></b> – Introduce Tin Whistle and Musical Symbols																				
<b>Hands-On Science</b> <b><i>Science Project-</i></b> Dissection: Crayfish																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 8																		
New Grammar	<b>History</b> <b><i>Tell me about the Age of Imperialism.</i></b> During the Age of Imperialism, the British established rule over India in 1858 and Queen Victoria was declared the Empress of India in 1877. Before his assassination in 1948, Mohandas Gandhi led the passive resistance movement, which helped win India’s independence.																			
	<b>Timeline</b> Council of Nicea Augustine of Hippo Jerome Completes the Vulgate Visigoths Sack Rome <b><i>The Middle Ages</i></b> Council of Chalcedon Western Roman Empire Falls to Barbarians																			
	<b>Geography</b> <b><i>China</i></b> Huang He River (Yellow) Chang Jiang River (Long) An-Yang																			
	<b>Math</b> <i>14s (up to 14 x 14)</i> 14 28 42 56 70 84 98 112 126 140 154 168 182 196																			
	<b>English Grammar</b> <b><i>Prepositions</i></b> of off on onto out																			
	<b>Latin</b> <b><i>Noun endings (3<sup>rd</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>various</td><td>-ēs</td></tr><tr><td>Genitive</td><td>- is</td><td>-um</td></tr><tr><td>Dative</td><td>- ī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-e</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	various	-ēs	Genitive	- is	-um	Dative	- ī	-ibus	Accusative	-em	-ēs	Ablative	-e	-ibus	
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Dative	- ī	-ibus																		
Accusative	-em	-ēs																		
Ablative	-e	-ibus																		
<b>Science</b> <b><i>What are some types of seed plants?</i></b> Monocot, Dicot, Conifer																				
<b>Presentations</b>																				
<b>Fine Arts</b> <b><i>Tin Whistle</i></b> – Musical Symbols, Meanings, and LEFT Hand Exercise																				
<b>Hands-On Science</b> <b><i>Science Project</i></b> - Dissection: Owl Pellets																				
<b>Review</b>																				



## Cycle 1

	Subject	Week 9																		
New Grammar	<b>History</b> <b><i>Tell me about Confucius.</i></b> Confucius, who lived from 551 B.C. to 479 B.C., taught obedience and respect. Taoism means “The Path” and emphasizes harmony with nature.																			
	<b>Timeline</b> Byzantine Emperor Justinian Benedict and Monasticism Muhammad Founds Islam Zanj and Early Ghana in Africa Franks Defeat Muslims at the Battle of Tours Golden Age of Islam Vikings Raid and Trade																			
	<b>Geography</b> <b><i>Eastern Asia</i></b> Mongolia China Korea Japan Yellow Sea																			
	<b>Math</b> <i>15s (up to 15 x 15)</i> 15 30 45 60 75 90 105 120 135 150 165 180 195 210 225																			
	<b>English Grammar</b> <b><i>Prepositions</i></b> outside over past regarding since																			
	<b>Latin</b> <b><i>Noun endings (4th Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ūs</td></tr><tr><td>Genitive</td><td>-ūs</td><td>-uum</td></tr><tr><td>Dative</td><td>- uī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-um</td><td>-ūs</td></tr><tr><td>Ablative</td><td>-ū</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	-us	-ūs	Genitive	-ūs	-uum	Dative	- uī	-ibus	Accusative	-um	-ūs	Ablative	-ū	-ibus	
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Ablative	-ū	-ibus																		
<b>Science</b> <b><i>What are some parts of a plant?</i></b> Leaves, Stems, Roots																				
<b>Presentations</b>																				
<b>Fine Arts</b> <b><i>Tin Whistle</i></b> – Musical Symbols, Rhythm, and RIGHT Hand Exercises																				
<b>Hands-On Science</b> <b><i>Science Project</i></b> – Nature Hike: Animals																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 10																		
New Grammar	<b>History</b> <i>Tell me about the Heian empire.</i>  As the Heian government weakened in Japan, Shoguns began to rule and expelled all foreigners during the period of isolation. Circa 1853, Commodore Matthew Perry of the U.S. restored trade allowing the Meiji to modernize Japan.																			
	<b>Timeline</b> Japan's Heian Period Charlemagne Crowned Emperor of Europe Alfred the Great of England Erik the Red and Leif Eriksson, Norse Explorers Vladimir I of Kiev Byzantine Emperor Basil II East-West Schism of the Church																			
	<b>Geography</b> <i>Japan</i> Kyoto Tokyo Mt. Fuji Pacific Ocean Sea of Japan																			
	<b>Math</b> <i>Squares</i> 1 4 9 16 25 36 49 64 81 100 121 144 169 196 225																			
	<b>English Grammar</b> <i>Prepositions</i> through throughout to toward																			
	<b>Latin</b> <i>Noun endings (4th Declension)</i> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ūs</td></tr><tr><td>Genitive</td><td>-ūs</td><td>-uum</td></tr><tr><td>Dative</td><td>- uī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-um</td><td>-ūs</td></tr><tr><td>Ablative</td><td>-ū</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	-us	-ūs	Genitive	-ūs	-uum	Dative	- uī	-ibus	Accusative	-um	-ūs	Ablative	-ū	-ibus	
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Dative	- uī	-ibus																		
Accusative	-um	-ūs																		
Ablative	-ū	-ibus																		
<b>Science</b> <i>What are some kinds of leaves and leaf parts?</i> Spines, Needles, Tendrils, Bracts, Bud Scales, Palmate																				
<b>Presentations</b>																				
<b>Fine Arts</b> <i>Tin Whistle</i> – Musical Scale and Simple Tune																				
<b>Hands-On Science</b> <i>Science Project</i> – Parts of a Flower																				
<b>Review</b>																				

# Cycle 1

	Subject	Week 11																		
New Grammar	<b>History</b> <b><i>Tell me about the Byzantine Empire.</i></b> In 313 AD, Byzantine Emperor Constantine legalized Christianity. Emperor Justinian's Code gave rights to all men. After Basil II and the Golden Age, Muslim Turks conquered parts of the Byzantine Empire, which led to the Crusades.																			
	<b>Timeline</b> Norman Conquest and Feudalism in Europe The Crusades Zimbabwe and Early Mali in Africa Aztecs of Mesoamerica Francis of Assisi and Thomas Aquinas Japan's Shoguns Incas of South America																			
	<b>Geography</b> <b><i>Byzantine Empire</i></b> Constantinople/Istanbul Rome Athens Ephesus Antioch																			
	<b>Math</b> <i>Cubes (up to 10 x 10 x 10)</i> 1 8 27 64 125 216 343 512 729 1000																			
	<b>English Grammar</b> <b><i>Prepositions</i></b> under underneath until up upon																			
	<b>Latin</b> <b><i>Noun endings (5<sup>th</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-ēs</td><td>-ēs</td></tr><tr><td>Genitive</td><td>-ēī</td><td>-ērum</td></tr><tr><td>Dative</td><td>-ēī</td><td>-ēbus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-ē</td><td>-ēbus</td></tr></table>		Singular	Plural	Nominative	-ēs	-ēs	Genitive	-ēī	-ērum	Dative	-ēī	-ēbus	Accusative	-em	-ēs	Ablative	-ē	-ēbus	
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Dative	-ēī	-ēbus																		
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Ablative	-ē	-ēbus																		
<b>Science</b> <b><i>What are some parts of a flower?</i></b> Petal, Stamen, Anther, Pistil, Sepal																				
<b>Presentations</b>																				
<b>Fine Arts</b> <b><i>Tin Whistle</i></b> – Musical Dynamics and More Tunes																				
<b>Hands-On Science</b> <b><i>Science Project</i></b> – Nature Hike: Plants																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 12																		
New Grammar	<b>History</b> <b><i>Tell me about the Muslim Empire.</i></b>  In 622 AD, the Muslim Empire's religion was founded by Muhammad who worshiped Allah. The Ottoman Empire expanded the Muslim empire until weakness forced westernization.																			
	<b>Timeline</b> Genghis Khan Rules the Mongols England's Magna Carta Ottoman Empire Marco Polo's Journey to China The Hundred Years' War and Black Death The Renaissance China's Ming Dynasty																			
	<b>Geography</b> <b><i>Muslim Empire</i></b> Mecca Medina Baghdad Damascus Tours Syria																			
	<b>Math</b> <b><i>Teaspoons and Tablespoons</i></b> 3 teaspoons (tsp.) = 1 tablespoon (Tbsp.) 2 tablespoons (Tbsp.) = 1 fluid ounce (fl. oz.)																			
	<b>English Grammar</b> <b><i>Prepositions</i></b> with within without																			
	<b>Latin</b> <b><i>Noun endings (5<sup>th</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-ēs</td><td>-ēs</td></tr><tr><td>Genitive</td><td>-ēī</td><td>-ērum</td></tr><tr><td>Dative</td><td>-ēī</td><td>-ēbus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-ē</td><td>-ēbus</td></tr></table>		Singular	Plural	Nominative	-ēs	-ēs	Genitive	-ēī	-ērum	Dative	-ēī	-ēbus	Accusative	-em	-ēs	Ablative	-ē	-ēbus	
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Dative	-ēī	-ēbus																		
Accusative	-em	-ēs																		
Ablative	-ē	-ēbus																		
<b>Science</b> <b><i>What are some plant systems?</i></b> Photosynthesis Respiration Transpiration																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Tin Whistle</i></b> – Musical Dynamics and More Tunes																			
	<b>Hands-On Science</b> <b><i>Science Project</i></b> – Classification: Plants and Animals																			
	<b>Review</b>																			

## Cycle 1

Subject		Week 13
New Grammar	<b>History</b> <i><b>Tell me about the Kush.</b></i> The Kush mined gold along the Nile River from 2000 B.C. to 350 A.D. The Berbers traded gold, iron and salt in the desert.	
	<b>Timeline</b> <i><b>Age of Exploration</b></i> Prince Henry Founds School of Navigation Slave Trade in Africa Gutenberg's Printing Press Songhai in Africa Czar Ivan the Great of Russia The Spanish Inquisition	
	<b>Geography</b> <i><b>Western Africa</b></i> Atlantic Ocean Senegal River Niger River Sahara Desert Timbuktu	
	<b>Math</b> <i><b>Liquid equivalents</b></i> 8 fluid ounces (fl. oz.) = 1 cup (c.) 2 cups (c.) = 1 pint (pt.) 2 pints (pt.) = 1 quart (qt.) 4 quarts (qt.) = 1 gallon (gal.)	
	<b>English Grammar</b> <i><b>Helping verb</b></i>  A <b>HELPING VERB</b> helps another verb assert action, being, or existence.	
	<b>Latin</b> <i><b>Noun endings</b></i> Nominative                      Subject Genitive                         Possessive Dative                            Indirect Object Accusative                       Direct Object Ablative                          Object of the preposition	
	<b>Science</b> <i>What are some parts of the earth?</i> Core, Mantle, Crust, Hydrosphere, Biosphere, Atmosphere	
	<b>Presentations</b>	
<b>Fine Arts</b> <i><b>Great Artists</b></i> - Giotto		
<b>Hands-On Science</b> VanCleave Science Exeriments #121 and #124		
<b>Review</b>		

## Cycle 1

	Subject	Week 14
New Grammar	<b>History</b> <b><i>Tell me about the Songhai.</i></b> In the 1400s, the Songhai ruled Timbuktu. The Zanj were skilled craftsmen and traders. The Zimbabweans were wealthy, skillful stone craftsmen.	
	<b>Timeline</b> Columbus Sails to the Caribbean <b><i>Age of Absolute Monarchs</i></b> Protestant Reformation Spanish Conquistadors in the Americas Calvin's <i>Institutes of the Christian Religion</i> Council of Trent Baroque Period of the Arts	
	<b>Geography</b> <b><i>Ancient Africa</i></b> Ancient Ghana Ancient Mali Ancient Songhai Fez Tangier	
	<b>Math</b> <b><i>Linear equivalents</i></b> 2.54 centimeters (cm.) = 1 inch (in.) 12 inches (in.) = 1 foot (ft.) 5,280 feet (ft.) = 1 mile (mi.)	
	<b>English Grammar</b> <b><i>Helping verbs</i></b> do does did	
	<b>Latin</b> <i>Noun endings</i> Nominative                      Subject Genitive                          Possessive Dative                              Indirect Object Accusative                        Direct Object Ablative                           Object of the preposition	
	<b>Science</b> <b><i>What are the three kinds of rocks?</i></b> Sedimentary Metamorphic Igneous	
<b>Presentations</b>		
<b>Fine Arts</b> <b><i>Great Artists</i></b> – Ghiberti		
<b>Hands-On Science</b> VanCleave Science Experiments #125 and #126		
<b>Review</b>		

## Cycle 1

	Subject	Week 15																		
New Grammar	<b>History</b> <b><i>Tell me about Henry the Navigator.</i></b> In the 1400s, Henry the Navigator established colonial rule in Africa, leading to slave trade between the Portuguese and the Ashanti.																			
	<b>Timeline</b> Japan's Isolation Jamestown and Plymouth Colony Founded <b><i>Age of Enlightenment</i></b> Hudson's Bay Company First Great Awakening Classical Period of the Arts The Seven Years' War																			
	<b>Geography</b> <b><i>Middle East</i></b> Israel Sinai Peninsula Suez Canal Cairo Gaza Strip																			
	<b>Math</b> <b><i>Metric Measurements</i></b> 10 millimeters (mm) = 1 centimeter (cm) 100 centimeters (cm) = 1 meter (m) 1,000 meters (cm) = 1 kilometer (km)																			
	<b>English Grammar</b> <i>Helping verbs</i> has have had																			
	<b>Latin</b> <b><i>Noun endings (1<sup>st</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-a</td><td>-ae</td></tr><tr><td>Genitive</td><td>-ae</td><td>-arum</td></tr><tr><td>Dative</td><td>-ae</td><td>-is</td></tr><tr><td>Accusative</td><td>-am</td><td>-as</td></tr><tr><td>Ablative</td><td>-a</td><td>-is</td></tr></table>		Singular	Plural	Nominative	-a	-ae	Genitive	-ae	-arum	Dative	-ae	-is	Accusative	-am	-as	Ablative	-a	-is	
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Genitive	-ae	-arum																		
Dative	-ae	-is																		
Accusative	-am	-as																		
Ablative	-a	-is																		
<b>Science</b> <i>What is each continent's highest mountain?</i> Everest in Asia Aconcagua in S. America McKinley in N. America Kilimanjaro in Africa Elbrus in Europe Kosciuszko in Australia Vinson Massif in Antarctica																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Great Artists</i></b> - Angelico																			
	<b>Hands-On Science</b> VanCleave Science Experiments #127 and #128																			
	<b>Review</b>																			

## Cycle 1

	Subject	Week 16																		
New Grammar	<b>History</b> <b><i>Tell me about the civilizations of Mesoamerica.</i></b> Three of the advanced civilizations of Mesoamerica from 1200 B.C. to 1500 A.D. were the Olmecs, Mayans, and Aztecs.																			
	<b>Timeline</b> <b><i>Age of Industry</i></b> James Cook Sails to Australia and Antarctica American Revolution and Gen. George Washington Madison's Constitution and the Bill of Rights French Revolution Second Great Awakening Louisiana Purchase and Lewis and Clark Expedition																			
	<b>Geography</b> <b><i>Africa (Waters)</i></b> Zaire River (Congo) Lake Victoria Zambezi River Orange River Nile River																			
	<b>Math</b> <b><i>Area of a rectangle</i></b> The area of a rectangle equals length times width																			
	<b>English Grammar</b> <b><i>Helping verbs</i></b> am are is																			
	<b>Latin</b> <b><i>Noun endings (1<sup>st</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-a</td><td>-ae</td></tr><tr><td>Genitive</td><td>-ae</td><td>-ārum</td></tr><tr><td>Dative</td><td>-ae</td><td>-īs</td></tr><tr><td>Accusative</td><td>-am</td><td>-ās</td></tr><tr><td>Ablative</td><td>-ā</td><td>-īs</td></tr></table>		Singular	Plural	Nominative	-a	-ae	Genitive	-ae	-ārum	Dative	-ae	-īs	Accusative	-am	-ās	Ablative	-ā	-īs	
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Genitive	-ae	-ārum																		
Dative	-ae	-īs																		
Accusative	-am	-ās																		
Ablative	-ā	-īs																		
<b>Science</b> <b><i>What are four kinds of volcanoes?</i></b> Active Intermittent Dormant Extinct																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Great Artists</i></b> - Dürer																			
	<b>Hands-On Science</b> VanCleave Science Experiments #130 and #132																			
	<b>Review</b>																			



## Cycle 1

	Subject	Week 17																		
New Grammar	<b>History</b> <b><i>Tell me about the Aztecs.</i></b> The Aztecs used pyramids in rituals of human sacrifice. Their civilization began to fall when Hernan Cortés of Spain defeated Montezuma, in 1519.																			
	<b>Timeline</b> Napoleon Crowned Emperor of France Liberation of South America The War of 1812 The Missouri Compromise Immigrants Flock to America The Monroe Doctrine Romantic Period of the Arts																			
	<b>Geography</b> <b><i>Southern Africa</i></b> Ethiopia Mozambique Zimbabwe South Africa Madagascar																			
	<b>Math</b> <b><i>Area of a Square</i></b> The area of a square equals length of its side squared																			
	<b>English Grammar</b> <b><i>Helping verbs</i></b> was were be being been																			
	<b>Latin</b> <b><i>Noun endings (2<sup>nd</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ī</td></tr><tr><td>Genitive</td><td>-ī</td><td>-ōrum</td></tr><tr><td>Dative</td><td>-ō</td><td>-īs</td></tr><tr><td>Accusative</td><td>-um</td><td>-ōs</td></tr><tr><td>Ablative</td><td>-ō</td><td>-īs</td></tr></table>		Singular	Plural	Nominative	-us	-ī	Genitive	-ī	-ōrum	Dative	-ō	-īs	Accusative	-um	-ōs	Ablative	-ō	-īs	
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Genitive	-ī	-ōrum																		
Dative	-ō	-īs																		
Accusative	-um	-ōs																		
Ablative	-ō	-īs																		
<b>Science</b> <b><i>What are some parts of a volcano?</i></b> Magma Vents Lava Crater Gases																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Great Artists</i></b> - Michelangelo																			
	<b>Hands-On Science</b> VanCleave Experiments #137 and #138																			
	<b>Review</b>																			

## Cycle 1

	Subject	Week 18																		
New Grammar	<b>History</b> <b><i>Tell me about the Mound Builders.</i></b> Circa 1000 BC to 1450 AD, three North American mound-building civilizations were the Adena, the Hopewell, and the Mississippians.																			
	<b>Timeline</b> Cherokee Trail of Tears U.S. Westward Expansion Marx Publishes <i>The Communist Manifesto</i> The Compromise of 1850 and the <i>Dred Scott Decision</i> U.S. Restores Trade with Japan British Queen Victoria's Rule Over India Darwin Publishes <i>The Origin of Species</i>																			
	<b>Geography</b> <b><i>Mesoamerica</i></b> Gulf of Mexico Yucatan Peninsula Olmec Civilization Maya Civilization Aztec Civilization																			
	<b>Math</b> <b><i>Area of a Triangle</i></b> The area of a triangle equals one-half base times height.																			
	<b>English Grammar</b> <b><i>Helping verbs</i></b> may must might																			
	<b>Latin</b> <b><i>Noun endings (2<sup>nd</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ī</td></tr><tr><td>Genitive</td><td>-ī</td><td>-ōrum</td></tr><tr><td>Dative</td><td>-ō</td><td>-īs</td></tr><tr><td>Accusative</td><td>-um</td><td>-ōs</td></tr><tr><td>Ablative</td><td>-ō</td><td>-īs</td></tr></table>		Singular	Plural	Nominative	-us	-ī	Genitive	-ī	-ōrum	Dative	-ō	-īs	Accusative	-um	-ōs	Ablative	-ō	-īs	
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Genitive	-ī	-ōrum																		
Dative	-ō	-īs																		
Accusative	-um	-ōs																		
Ablative	-ō	-īs																		
<b>Science</b> <b><i>What are four types of ocean floor?</i></b> Continental shelf Abyssal plains Mountain ranges Ridges																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Great Artists</i></b> – El Greco																			
	<b>Hands-On Science</b> VanCleave Science Experiments #139 and #140																			
	<b>Review</b>																			

## Cycle 1

	Subject	Week 19																		
New Grammar	<b>History</b> <i>Tell me about the Anasazi.</i>  The Anasazi of the southwestern United States built adobe villages on the sides of cliffs from 500 BC to 1200 AD.																			
	<b>Timeline</b> Lincoln's War Between the States Reconstruction of the Southern States Dominion of Canada Otto von Bismarck Unifies Germany Boer Wars in Africa The Spanish-American War The Progressive Era																			
	<b>Geography</b> <i>Original 13 Colonies</i> New England Colonies Middle Colonies Southern Colonies																			
	<b>Math</b> <i>Area of a circle</i> The area of a circle equals pi (3.14) times the radius squared.																			
	<b>English Grammar</b> <i>Helping verbs</i> should could would																			
	<b>Latin</b> <i>Noun endings (3<sup>rd</sup> Declension)</i> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>various</td><td>-ēs</td></tr><tr><td>Genitive</td><td>- is</td><td>-um</td></tr><tr><td>Dative</td><td>- ī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-e</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	various	-ēs	Genitive	- is	-um	Dative	- ī	-ibus	Accusative	-em	-ēs	Ablative	-e	-ibus	
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Dative	- ī	-ibus																		
Accusative	-em	-ēs																		
Ablative	-e	-ibus																		
<b>Science</b> <i>What are three ocean zones?</i> Photic Bathyl Abbyssal																				
<b>Presentations</b>																				
<b>Fine Arts</b> <i>Orchestra and Composers</i>																				
<b>Hands-On Science</b> <i>Science Project</i> – Make Rock Candy																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 20																		
New Grammar	<b>History</b> <i>Tell me about the Mexican Revolution.</i>  Circa 1910, during the Mexican Revolution, Pancho Villa and Emiliano Zapata fought the federales for “Land and Liberty.”																			
	<b>Timeline</b> Australia Becomes a Commonwealth Mexican Revolution World War I and President Wilson Lenin and the Bolshevik Revolution in Russia U.S. Evangelist Billy Graham Modern Period of the Arts The Great Depression and the New Deal																			
	<b>Geography</b> <b>Mesoamerica</b> Mexico City Chichen Itza Lake Texcoco Mayapan Oaxaca																			
	<b>Math</b> <b>Circumference of a Circle</b> The circumference of a circle equals two times pi (3.14) times the radius.																			
	<b>English Grammar</b> <b>Helping verbs</b> shall will can																			
	<b>Latin</b> <b>Noun endings (3<sup>rd</sup> Declension)</b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>various</td><td>-ēs</td></tr><tr><td>Genitive</td><td>- is</td><td>-um</td></tr><tr><td>Dative</td><td>- ī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-e</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	various	-ēs	Genitive	- is	-um	Dative	- ī	-ibus	Accusative	-em	-ēs	Ablative	-e	-ibus	
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	Nominative	various	-ēs																	
Genitive	- is	-um																		
Dative	- ī	-ibus																		
Accusative	-em	-ēs																		
Ablative	-e	-ibus																		
<b>Science</b> <b>What are some parts of the atmosphere?</b> Troposphere Stratosphere Mesosphere Thermosphere Exosphere																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b>Orchestra and Composers</b> – Handel: Water Music																			
	<b>Hands-On Science</b> <b>Science Project</b> – Layers of the Earth and Atmosphere																			
	<b>Review</b>																			

# Cycle 1

	Subject	Week 21																		
New Grammar	<b>History</b> <b><i>Tell me about the exploration of Canada.</i></b> John Cabot and Samuel de Champlain explored Canada and the St. Lawrence River. Creation of the Hudson's Bay Company, in 1670, eventually led to war between Britain and France. The maple leaf is the symbol of Canada.																			
	<b>Timeline</b> World War II and President Franklin D. Roosevelt Stalin of the USSR and the Katyn Massacre The United Nations Formed The Cold War Gandhi and India's Independence Jewish State Established Mao and Communist Victory in China																			
	<b>Geography</b> <b><i>Canadian Provinces (1867)</i></b> Ontario Quebec New Brunswick Nova Scotia																			
	<b>Math</b> <b><i>Associative Law</i></b> The Associative Law for addition: (a+b) + c = a + (b+c)  The Associative Law for multiplication: (a x b) x c = a x (b x c)																			
	<b>English Grammar</b> <b><i>Linking Verb</i></b> A <b>LINKING VERB</b> makes an assertion by joining two words.																			
	<b>Latin</b> <b><i>Noun endings (4th Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ūs</td></tr><tr><td>Genitive</td><td>-ūs</td><td>-uum</td></tr><tr><td>Dative</td><td>- uī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-um</td><td>-ūs</td></tr><tr><td>Ablative</td><td>-ū</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	-us	-ūs	Genitive	-ūs	-uum	Dative	- uī	-ibus	Accusative	-um	-ūs	Ablative	-ū	-ibus	
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Accusative	-um	-ūs																		
Ablative	-ū	-ibus																		
<b>Science</b> <b><i>What are five major circles of latitude?</i></b> Arctic Circle Tropic of Cancer Equator Tropic of Capricorn Antarctic Circle																				
<b>Presentations</b>																				
	<b>Fine Arts</b> <b><i>Orchestra and Composers</i></b> – Bach: The Well-Tempered Clavier																			
	<b>Hands-On Science</b> <b><i>Science Project</i></b> – Mineral Identification																			
	<b>Review</b>																			

## Cycle 1

	Subject	Week 22																		
New Grammar	<b>History</b> <b><i>Tell me about the British North American Act.</i></b> The British North America Act established the Dominion of Canada. The Canadians gained total independence from Britain in 1982. French is spoken in the province of Quebec.																			
	<b>Timeline</b> North Atlantic Treaty Organization The Korean War Martin Luther King, Jr. and the Civil Rights Movement Jim and Elisabeth Elliot, Missionaries to Ecuador The Antarctic Treaty The Vietnam War U.S. Astronauts Walk on the Moon																			
	<b>Geography</b> <b><i>Canadian Waters</i></b> Great Bear Lake Great Slave Lake Hudson Bay Baffin Bay Labrador Sea																			
	<b>Math</b> <b><i>Commutative Law</i></b> The Commutative Law for addition: a+b = b+a The Commutative Law for addition: a x b = b x a																			
	<b>English Grammar</b> <b><i>Linking Verbs</i></b> feel, become, remain, taste																			
	<b>Latin</b> <b><i>Noun endings (4th Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-us</td><td>-ūs</td></tr><tr><td>Genitive</td><td>-ūs</td><td>-uum</td></tr><tr><td>Dative</td><td>- uī</td><td>-ibus</td></tr><tr><td>Accusative</td><td>-um</td><td>-ūs</td></tr><tr><td>Ablative</td><td>-ū</td><td>-ibus</td></tr></table>		Singular	Plural	Nominative	-us	-ūs	Genitive	-ūs	-uum	Dative	- uī	-ibus	Accusative	-um	-ūs	Ablative	-ū	-ibus	
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Ablative	-ū	-ibus																		
<b>Science</b> <b><i>What are some kinds of weather fronts?</i></b> Cold Warm Stationary Occluded																				
<b>Presentations</b>																				
<b>Fine Arts</b> <b><i>Orchestra and Composers</i></b> – Mozart: Piano Concerto no.22 in E-Flat, Third Movement																				
<b>Hands-On Science</b> <b><i>Science Project</i></b> – Mineral Identification																				
<b>Review</b>																				

## Cycle 1

	Subject	Week 23																		
New Grammar	<b>History</b> <b><i>Tell me about the liberation of South America.</i></b> In the early 1800s, San Martin of Argentina, O'Higgins of Chile, and Simon Bolivar of Venezuela fought to liberate South America from Spain.																			
	<b>Timeline</b> <b><i>Age of Information and Globalization</i></b> Watergate, President Nixon Resigns Fall of Communism in Eastern Europe European Union Formed Apartheid Abolished in South Africa September 11, 2001 Rising Tide of Freedom																			
	<b>Geography</b> <b><i>South America (West)</i></b> Venezuela Columbia Ecuador Peru Bolivia Chile																			
	<b>Math</b> <b><i>Distributive Law</i></b> The Distributive Law states: $a(b+c) = ab+ac$																			
	<b>English Grammar</b> <b><i>Linking Verbs</i></b> seem appear look sound																			
	<b>Latin</b> <b><i>Noun endings (5<sup>th</sup> Declension)</i></b> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-ēs</td><td>-ēs</td></tr><tr><td>Genitive</td><td>-ēī</td><td>-ērum</td></tr><tr><td>Dative</td><td>-ēī</td><td>-ēbus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-ē</td><td>-ēbus</td></tr></table>		Singular	Plural	Nominative	-ēs	-ēs	Genitive	-ēī	-ērum	Dative	-ēī	-ēbus	Accusative	-em	-ēs	Ablative	-ē	-ēbus	
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<b>Science</b> <b><i>What are some types of clouds?</i></b> Cumulonimbus Cirrus Stratus Cumulus Stratocumulus																				
<b>Presentations</b>																				
<b>Fine Arts</b> <b><i>Orchestra and Composers</i></b> – Review Hadel and Bach																				
<b>Hands-On Science</b> <b><i>Science Project</i></b> – <i>Rock Structure Identification</i>																				
<b>Review</b>																				

## Cycle 1

Subject		Week 24																		
New Grammar	<b>History</b> <i><b>Tell me about Napoleon.</b></i> When Napoleon threatened the Portuguese Empire, King John VI fled to Brazil. His son, Dom Pedro, granted Brazil independence in 1822.																			
	<b>U.S. Presidents:</b> Washington, Adams, Jefferson, Madison, Monroe, Adams, Jackson, Van Buren, Harrison, Tyler, Polk, Taylor, Fillmore, Pierce, Buchanan, Lincoln, Johnson, Grant, Hayes, Garfield, Arthur, Cleveland, Harrison, Cleveland, McKinley, Roosevelt, Taft, Wilson, Harding, Coolidge, Hoover, Roosevelt, Truman, Eisenhower, Kennedy, Johnson, Nixon, Ford, Carter, Reagan, Bush, Clinton, Bush, Obama																			
	<b>Geography</b> <i><b>South America (East)</b></i> Argentina, French Guiana, Uruguay, Suriname, Paraguay, Guyana, Brazil																			
	<b>Math</b> <i><b>Identity Law</b></i> The Identity Law for addition: a+0 = a The Identity Law for multiplication: a x 1 = a																			
	<b>English Grammar</b> <i><b>Linking Verbs</b></i> Stay, smell, grow, be																			
	<b>Latin</b> <i><b>Noun endings (5<sup>th</sup> Declension)</b></i> <table><tr><td></td><td>Singular</td><td>Plural</td></tr><tr><td>Nominative</td><td>-ēs</td><td>-ēs</td></tr><tr><td>Genitive</td><td>-ēī</td><td>-ērum</td></tr><tr><td>Dative</td><td>-ēī</td><td>-ēbus</td></tr><tr><td>Accusative</td><td>-em</td><td>-ēs</td></tr><tr><td>Ablative</td><td>-ē</td><td>-ēbus</td></tr></table>		Singular	Plural	Nominative	-ēs	-ēs	Genitive	-ēī	-ērum	Dative	-ēī	-ēbus	Accusative	-em	-ēs	Ablative	-ē	-ēbus	
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Genitive	-ēī	-ērum																		
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Ablative	-ē	-ēbus																		
<b>Science</b> <i><b>What are some markings on the globe?</b></i> Latitude (parallels) Longitude (meridians) Prime Meridian Degrees Northern Hemisphere Southern Hemisphere																				
<b>Presentations</b>																				
<b>Fine Arts</b> <i><b>Orchestra and Composers</b></i> – Review Mozart																				
<b>Hands-On Science</b> <i><b>Science Project</b></i> – Compass Walk																				
<b>Review</b>																				