



Layers of Learning History Correlation

LoL Year 1	Usborne	Kingfisher	The Story of the World
Unit 1 1 st Civilizations	Pgs. 108-113	Pgs. 8-9	Chapters AT 1, 3, 5
Unit 2 Ancient Egypt	Pgs. 114-117, 134-139	Pgs. 10-11, 26-27	Chapters AT 2, 4, 12, 13
Unit 3 Ancient Europe	Pgs. 120-123	Pgs. 12-13	
Unit 4 Ancient Greece	Pgs. 124-131, 154-161	Pgs. 16-17, 38, 52-56	Chapters AT 18, 19, 20, 22, 23, 24, 25
Unit 5 Babylon	Pgs. 150-151	Pg. 2, 36-371	Chapters AT 7, 17
Unit 6 The Levant	Pgs. 133, 140-143	Pg. 20, 24-25, 61	Chapters AT 6, 14, MA 20
Unit 7 Phoenicians	Pgs. 144-145	Pgs. 28-29	Chapter AT 15
Unit 8 Assyrians	Pgs. 146-149	Pgs. 22-23	Chapters AT 8, 16
Unit 9 Persians	Pg. 152-153	Pgs. 40-41, 74-75	Chapter AT 21
Unit 10 Ancient China	Pgs. 164-169	Pgs. 18-19, 39, 58-59, 70-71	Chapters AT 10, 32, 33
Unit 11 Early Japan	Pg. 170	Pgs. 84-85	
Unit 12 Arabia	Pg. 171		
Unit 13 Ancient India	Pgs. 118-119, 174-175	Pgs. 14-15, 33, 57, 78-79	Chapters AT 9, 30, 31
Unit 14 Ancient Africa	Pgs. 172-173	Pgs. 30-31, 60	Chapter AT 11
Unit 15 First N. Americans	Pgs. 176-177	Pgs. 32, 76, 86-87	Chapter AT 26
Unit 16 Ancient S. America	Pgs. 178-181	Pgs. 77	Chapter AT 26
Unit 17 Celts	Pgs. 182-183, 244-245	Pgs. 68-69	Chapter MA 2
Unit 18 Roman Republic	Pg. 184	Pgs. 34-35, 62-63	Chapter AT 27, 28, 29
Unit 19 Christianity	Pgs. 192-193	Pgs. 72-73	Chapters AT 37, 38, 39
Unit 20 Roman Empire	Pgs. 185-191, 194-195	Pgs. 64-67, 80-81	Chapters AT 34, 35, 36, 40, 41, 42, MA 1

Resources Used: The Usborne Encyclopedia of World History (2000, 2002, 2006, 2009) *minor differences between editions,
 The Kingfisher Encyclopedia of World History, (2016) 3rd Edition *minor differences between the 1999, 2004, 2016 editions,
 The Story of the World in 4 volumes – Ancient Times (AT), The Middle Ages (MA), Early Modern Age (EMA), & The Modern Age (MOD)



Layers of Learning History Correlation

LoL Year 2	Usborne	Kingfisher	The Story of the World
Unit 1 Byzantines	Pgs. 202-203	Pgs. 100-101	Chapter MA 4
Unit 2 Barbarians	Pgs. 204-205	Pgs. 102-103, 154-155	Chapter MA 3
Unit 3 Islam	Pgs. 206-209	Pgs. 106-107, 116	Chapters MA 5, 6, 7
Unit 4 Vikings	Pgs. 210-213	Pgs. 130-131	Chapter MA 14
Unit 5 Anglo-Saxons	Pgs. 214-215	Pgs. 122-123	Chapter MA 15
Unit 6 Charlemagne	Pgs. 216-217	Pgs. 114-115	Chapters MA 11, 12, 13, EMA 1
Unit 7 Normans	Pgs. 218-219	Pgs. 132-133, 152-153, 176-177	Chapter MA 26
Unit 8 Feudal System	Pgs. 220-231	Pgs. 150-15, 162-1631	Chapters MA 16, 17
Unit 9 Crusades	Pgs. 232-243, 252-253	Pgs. 108-109, 148-149, 178-179, 182-183	Chapter MA 18, 19, 25
Unit 10 Burgundy, Ven., Spain	Pgs. 246-247, 258-259	Pgs. 160-16, 200-2011	Chapter MA 28
Unit 11 Wars of the Roses	Pgs. 248-249	Pgs. 210-211	Chapter MA 27
Unit 12 Eastern Europe	Pgs. 254-257	Pgs. 112-113, 120-121, 124-125, 126-127, 134-135, 158-159	
Unit 13 African Kingdoms	Pgs. 260-263	Pgs. 117, 164-167, 208	Chapter MA 29
Unit 14 Asian Kingdoms	Pgs. 264-267	Pgs. 184-185	
Unit 15 Mongols	Pgs. 250-251	Pgs. 170-171	Chapter MA 21, 22, 23
Unit 16 China & Japan	Pgs. 268-271	Pgs. 104-105, 118-119, 136-137, 156-157, 180-181	Chapters MA 8, 9, 17, EMA 5, 10, 20
Unit 17 Pacific Peoples	Pgs. 274-275	Pgs. 88-89	Chapter MA 10
Unit 18 American Peoples	Pgs. 276-283	Pgs. 110-111, 128-129, 172-173	Chapter MA 32
Unit 19 The Renaissance	Pgs. 284-287	Pgs. 202-205	Chapter MA 35
Unit 20 Explorers	Pgs. 272-273, 288-289	Pgs. 174-175, 206-207, 212-213	Chapter MA 31, 33

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Layers of Learning History Correlation

LoL Year 3	Usborne	Kingfisher	The Story of the World
Unit 1 Age of Exploration	Pgs. 296-297	Pgs. 174-175, 206-207, 212-213	Chapters MA 41, 42, EMA 4
Unit 2 Ottoman Empire	Pgs. 298-299	Pgs. 216-217, 266-267, 376-377	Chapters MA 24, EMA 8, 18
Unit 3 Mogul Empire	Pgs. 300-301	Pgs. 218-219	Chapter MA 30, EMA 11
Unit 4 Reformation	Pgs. 302-303	Pgs. 214-215	Chapters MA 34, 36, EMA 2
Unit 5 Renaissance England	Pgs. 304-307	Pgs. 223, 246-247, 260-261, 274-275	Chapters MA 38, 39, EMA 3, 12
Unit 6 Thirty Years' War	Pgs. 308-309	Pgs. 222, 252-253	Chapter EMA 9
Unit 7 The Dutch	Pgs. 310-311	Pgs. 228-229, 259	Chapters EMA 2, 6
Unit 8 France	Pgs. 312-313	Pgs. 254-255, 264, 300-301	Chapters EMA 4, 13
Unit 9 The Enlightenment	Pgs. 314-315	Pgs. 268-269, 306-307	Chapters MA 37, EMA 16
Unit 10 Russia & Prussia	Pgs. 316-319	Pgs. 226-227, 276-277, 310-311	Chapters EMA 14, 17, 26
Unit 11 Conquistadors	Pgs. 320-321	Pgs. 196-199, 220-221	
Unit 12 Settlers	Pgs. 322	Pgs. 230-231, 248-249, 302-303	Chapters MA 40, EMA 6
Unit 13 13 Colonies	Pgs. 323	Pgs. 280-281	Chapters EMA 6, 15, 21
Unit 14 Slave Trade	Pgs. 324-325	Pgs. 270-271	Chapter EMA 7
Unit 15 South Pacific	Pgs. 326-327	Pgs. 312-313, 348-349, 374-375	Chapters EMA 24, 41
Unit 16 British in India	Pgs. 328-329	Pgs. 265, 258, 298-299, 324-325, 368-369	Chapter EMA 19
Unit 17 Boston Tea Party	Pg. 330		Chapter EMA 22
Unit 18 Founding Fathers			Chapter EMA 22
Unit 19 Declaring Independence	Pg. 330	Pgs. 316-317	Chapter EMA 22
Unit 20 American Revolution	Pgs. 330-331		Chapter EMA 22

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LoL Year 4	Usborne	Kingfisher	The Story of the World
Unit 1 American Govern.			Chapter EMA 23
Unit 2 Expanding Nation	Pg. 350	Pgs. 328-329	Chapters EMA 38, MOD 16
Unit 3 Industrial Revolution	Pgs. 336-341	Pgs. 294-297, 340-341	Chapters EMA 27, 31
Unit 4 Revolutions	Pgs. 332-335, 342-345	Pgs. 318-32, 326-327, 346-347, 350-51, 358-359, 360-361, 364-365	Chapters EMA 25, 29, 33, 34, 35, MOD 7
Unit 5 Africa	Pgs. 346-347	Pgs. 272-273, 308-309, 343, 362-363	Chapters EMA 37, MOD 12
Unit 6 The West	Pg. 351	Pgs. 342, 370-371	Chapters EMA 32, 40, 42
Unit 7 Civil War	Pgs. 348-349	Pgs. 322-323, 354-356	Chapters EMA 36, MOD 5
Unit 8 World War I	Pgs. 358-359	Pgs. 388-397	Chapters MOD 20, 21, 23
Unit 9 Totalitarianism	Pgs. 360-365, 368-369	Pgs. 398-399, 402-403, 406-412	Chapter MOD 14, 21
Unit 10 Great Depression	Pgs. 366-367	Pgs. 400-401, 404-405	Chapter MOD 26
Unit 11 World War II	Pgs. 370-373	Pgs. 413-420	Chapters MOD 28, 29
Unit 12 Modern East Asia	Pgs. 352-357, 364-365	Pgs. 304-305, 314-315, 344-345, 352-353, 366-367, 372, 425, 440-441	Chapters EMA 28, 39, MOD 17, 25, 32
Unit 13 India's Independence	Pg. 374-375	Pgs. 421, 424	Chapters MOD 22, 30
Unit 14 Israel	Pgs. 376-377	Pgs. 422-423	
Unit 15 Cold War	Pgs. 378-383	Pgs. 436-439	Chapters MOD 35, 40, 41
Unit 16 Vietnam War	Pg. 379	Pgs. 444-445	Chapter MOD 37
Unit 17 Latin America			Chapter MOD 34
Unit 18 Civil Rights	Pgs. 384-385	Pgs. 373, 446-447	Chapter MOD 36
Unit 19 Technology	Pgs. 386-393	Pgs. 442-443, 454-457	
Unit 20 Terrorism		Pg. 448, 450-453, 464	Chapters MOD 38, 42

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LoL Year 1	DK First Atlas	DK Children's Atlas	DK Student Atlas
Unit 1 Maps & Globes	Pgs. 4-7		Pgs. 4-5, 8-9
Unit 2 Map Keys	Pgs. 6-7	Pg. 16	Pgs. 12-13
Unit 3 Global Grids			Pgs. 6-7
Unit 4 Wonders of the World			
Unit 5 Mapping People		Pgs. 12-15	Pgs. 20-27
Unit 6 Physical Earth		Pgs. 4-11	Pgs. 10-11, 14-19
Unit 7 Oceans	Pgs. 10-11	Pgs. 66-67, 114-115, 144-145	
Unit 8 Deserts	Pgs. 8-9, 40-41	Pgs. 102-103	
Unit 9 Arctic	Pgs. 12-15, 118-119	Pgs. 64-65	Pgs. 142-143
Unit 10 Forests	Pgs. 8-9, 32-33		
Unit 11 Mountains	Pgs. 34-35, 62-63		
Unit 12 Rivers & Lakes			
Unit 13 Grasslands	Pgs. 8-9		
Unit 14 Africa	Pgs. 36-43	Pgs. 100-101	Pgs. 66-69
Unit 15 North America	Pgs. 16-29	Pgs. 18-35	Pgs. 28-31, 52-53
Unit 16 South America	Pgs. 30-35	Pgs. 54-55	Pgs. 58-61
Unit 17 Europe	Pgs. 44-83	Pgs. 68-69	Pgs. 78-81
Unit 18 Asia	Pgs. 84-111	Pgs. 116-117, 128-129	Pgs. 114-117
Unit 19 Australia & Oceania	Pgs. 112-117	Pgs. 142-143, 146-148	Pgs. 134-137
Unit 20 You Explore			

Resources Used: DK First Atlas (2003),
 DK Children's Atlas (1994, 1996, 1998, 2000) *In some editions it is titled the "DK Eyewitness Atlas of the World" &
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LoL Year 2	DK First Atlas	DK Children's Atlas	DK Student Atlas
Unit 1 Turkey	Pgs. 90-93	Pgs. 118-119	Pgs. 120-121
Unit 2 Ireland	Pgs. 48-51	Pgs. 72-73	Pgs. 88-89
Unit 3 Arabian Peninsula	Pgs. 90-93	Pgs. 120-123	Pgs. 122-123
Unit 4 Norway	Pgs. 44-47	Pgs. 70-71	Pgs. 82-83
Unit 5 Britain	Pgs. 48-51	Pgs. 72-73	Pgs. 86-95
Unit 6 France	Pgs. 56-59	Pgs. 76-77	Pgs. 96-97
Unit 7 Nigeria	Pgs. 36-37	Pgs. 106-107	Pgs. 72-73
Unit 8 Germany	Pgs. 60-63	Pgs. 80-81	Pgs. 100-101
Unit 9 Balkans	Pgs. 80-83	Pgs. 88-89, 92-93	Pgs. 106-107
Unit 10 Switzerland	Pgs. 60-63	Pgs. 82-83	Pgs. 100-101
Unit 11 Russia	Pgs. 84-89	Pgs. 96-97, 126-127	Pgs. 110-11,118-119
Unit 12 Hungary	Pgs. 72-75	Pgs. 84-85	Pgs. 104-105
Unit 13 Mali	Pgs. 36-41	Pgs. 106-107	Pgs. 72-73
Unit 14 Southeast Asia	Pgs. 98-101	Pgs. 138-141	Pgs. 130-131
Unit 15 Caucasus	Pgs. 84-85, 89	Pgs. 98-99	Pgs. 120-121
Unit 16 China	Pgs. 102-107	Pgs. 132-135	Pgs. 128-129
Unit 17 Micronesia	Pgs. 116-117	Pgs. 144-145	Pgs. 134-135
Unit 18 Canada	Pgs. 16-19	Pgs. 36-39	Pgs. 32-35
Unit 19 Italy	Pgs. 68-71	Pgs. 86-87	Pgs. 102-103
Unit 20 Caribbean Sea	Pgs. 27, 29	Pgs. 56-57	Pgs. 56-57

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LoL Year 3	DK First Atlas	DK Children's Atlas	DK Student Atlas
Unit 1 Argentina & Chile	Pgs. 30-35	Pgs. 62-63	Pgs. 64-65
Unit 2 Egypt & Libya	Pgs. 42-43	Pgs. 102-105	Pgs. 70-71
Unit 3 Pakistan & Afghanistan	Pgs. 94-97	Pgs. 124-125, 130-131	Pgs. 124-127
Unit 4 Angola & Zambia	Pgs. 36-37	Pgs. 110-113	Pgs. 76-77
Unit 5 Tanzania & Kenya	Pgs. 36-37	Pgs. 110-111	Pgs. 74-75
Unit 6 Spain	Pgs. 64-67	Pgs. 74-75	Pgs. 98-99
Unit 7 Netherlands	Pgs. 52-55	Pgs. 78-79	Pgs. 84-85
Unit 8 Indonesia	Pgs. 98-101	Pgs. 140-141	Pgs. 130-131
Unit 9 Korean Peninsula	Pgs. 102-105	Pgs. 134-135	Pgs. 132-133
Unit 10 Central Asia	Pgs. 84-85	Pgs. 124-127	Pgs. 118-119, 124-125
Unit 11 Baltic States	Pgs. 76-79	Pgs. 94-95	Pgs. 82-83
Unit 12 Peru & Bolivia	Pgs. 30-35	Pgs. 58-59	Pgs. 61-65
Unit 13 Central America	Pgs. 26-29	Pgs. 56-57	Pgs. 54-55
Unit 14 Brazil	Pgs. 30-33	Pgs. 60-61	Pgs. 62-63
Unit 15 Australasia	Pgs. 112-117	Pgs. 146-148	Pgs. 134-139
Unit 16 India	Pgs. 94-97	Pgs. 130-131	Pgs. 126-127
Unit 17 Japan	Pgs. 108-111	Pgs. 136-137	Pgs. 132-133
Unit 18 Iran	Pgs. 90-93	Pgs. 122-123	Pgs. 122-123
Unit 19 Samoa & Tonga	Pgs. 116-117	Pgs. 144-145	Pgs. 140-141
Unit 20 South Africa	Pgs. 36-37	Pgs. 112-113	Pgs. 76-77

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LoL Year 4	DK First Atlas	DK Children's Atlas	DK Student Atlas
Unit 1 USA	Pgs. 20-25		Pg. 29
Unit 2 Pacific States	Pgs. 16-25	Pgs. 36-37, 50-51	Pgs. 48-51
Unit 3 U.S. Landscapes	Pgs. 20-21		Pg. 28
Unit 4 Mountain West States	Pgs. 20-25	Pgs. 46-49	Pgs. 46-47
Unit 5 U.S. Political Maps			
Unit 6 Southwest States	Pgs. 20-25	Pgs. 48-49	Pgs. 44-45
Unit 7 National Parks			
Unit 8 Plains States	Pgs. 20-25	Pgs. 46-47	Pgs. 42-43
Unit 9 U.S. Economics			
Unit 10 Heartland States	Pgs. 20-25	Pgs. 44-45	Pgs. 40-41
Unit 11 Symbols & Landmarks			
Unit 12 Southern States	Pgs. 20-25	Pgs. 42-43	Pgs. 38-39
Unit 13 People of America	Pgs. 24-25		
Unit 14 Appalachian States	Pgs. 20-25	Pgs. 42-43	Pgs. 38-39
Unit 15 U.S. Territories			Pg. 51
Unit 16 Atlantic States	Pgs. 20-25	Pgs. 40-41	Pgs. 36-37
Unit 17 New England States	Pgs. 20-25	Pgs. 40-41	Pgs. 36-37
Unit 18 Home State Study			
Unit 19 Home State Study II			
Unit 20 America in Review	Pgs. 16-25		

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Layers of Learning Science Correlation

LoL Year 1	Usborne	DK	Kingfisher	Khan Academy
Unit 1 Planets	Pgs. 154-155, 162-165, 168-171	Pgs. 273-275, 283, 286-293, 418	Pgs. 386-391, 398-399, 403-411	Scale of the Universe
Unit 2 Stars	Pgs. 156-162	Pgs. 276-285, 418-419	Pgs. 392-397	Stars, Black Holes, and Galaxies
Unit 3 Earth & Moon	Pgs. 166-167, 184-	Pgs. 287-288, 414	Pgs. 400-402	Earth Geological and Climatic History
Unit 4 Satellites	Pgs. 172-173	Pgs. 294-295, 300-301	Pgs. 412-419, 424-425	History of Life on Earth
Unit 5 Humans in Space	Pgs. 174-177	Pgs. 296-299, 302-304	Pgs. 420-423	Life in the Universe
Unit 6 Laws of Motion	Pgs. 118-125	Pgs. 113-120	Pgs. 296-299	Newton's Laws of Motion
Unit 7 Motion	Pgs. 126-131	Pgs. 121-125	Pgs. 290-291, 322-325	Centripetal Force and Gravitation
Unit 8 Fluids	Pgs. 132-133, 138-145	Pgs. 127-129	Pgs. 310-311	Fluids
Unit 9 Waves	Pgs. 202-205, 226-227	Pgs. 126, 164, 178-192, 412	Pgs. 312-321	Simple Harmonic Motion
Unit 10 Machines	Pgs. 134-137	Pgs. 130-133	Pgs. 300-305	Inclined Planes and Friction, Simple Machines Exploration
Unit 11 States of Matter	Pgs. 16-23	Pgs. 17-23	Pgs. 156-157, 194-195	States of Matter
Unit 12 Atoms	Pgs. 10-13	Pgs. 24-25	Pgs. 150-151	Introduction to the Atom
Unit 13 Elements	Pgs. 21-29	Pgs. 31-48, 402-403	Pgs. 148-149, 152-155	Periodic Table
Unit 14 Bonding	Pgs. 14-15, 68-71	Pgs. 28-30	Pgs. 164-169	Types of Chemical Bonds, Dot Structures
Unit 15 Salts	Pgs. 88-91	Pgs. 26-27, 73	Pg. 165	Radioactive Decay, Solubility Equilibria
Unit 16 Plants	Pgs. 250-269, 286-295	Pgs. 340-341	Pgs. 56-57, 66-67	Intro to Photosynthesis, Plant Structure
Unit 17 Flowering Plants	Pgs. 270-279	Pgs. 318-319	Pgs. 59-63	Phototropism
Unit 18 Trees	Pgs. 256-257	Pgs. 317	Pgs. 64-65	Plant nutrition and transport
Unit 19 Simple Plants	Pgs. 280-283	Pgs. 316	Pg. 58	Protists
Unit 20 Fungi	Pgs. 284-285	Pgs. 315	Pg. 55	Fungi

Resources Used: The Usborne Science Encyclopedia (2015)

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LoL Year 2	Usborne	DK	Kingfisher	Khan Academy
Unit 1 Climate & Seasons	Pgs. 192-195	Pgs. 241-249, 417	Pgs. 36-37	Earth Rotation and Tilt
Unit 2 Forecasting		Pgs. 250-256, 270-272, 416-417	Pgs. 42-43	The Sun and Solar Storms
Unit 3 Clouds & Precipitation	Pg. 193	Pgs. 260-268	Pgs. 38-41	Clouds
Unit 4 Special Effects		Pg. 269		
Unit 5 Wild Weather		Pgs. 257-259	Pgs. 44-45, 330-331	
Unit 6 Cells & DNA	Pgs. 298-299, 380-385	Pgs. 338-339, 364-365	Pgs. 98-99, 135	Intro to Cells and DNA
Unit 7 Skeletons	Pgs. 346-347	Pgs. 352-353	Pgs. 102-105	Skeletal System
Unit 8 Muscles, Skin, & Cardiopulmonary	Pgs. 348-351, 358-359, 368-369	Pgs. 346-349, 354-357	Pgs. 100-101, 106-107, 111, 120-125	Circulatory System, Respiratory system
Unit 9 Digestive & Senses	352-357, 370-375	Pgs. 342-345, 358-359	Pgs. 112-117, 126-131	Gastrointestinal System
Unit 10 Nerves	Pgs. 364-367	Pgs. 360-361	Pgs. 108-110	Nervous System
Unit 11 Health	Pgs. 360-363, 376-379, 386-391	Pgs. 350-351, 362-363, 366-368	Pgs. 118-119, 132-134, 136-139-142	Reproductive System
Unit 12 Metals	Pgs. 30-45	Pgs. 34-39, 56-57, 62-63, 84-88	Pgs. 183, 196-203	Molecular Composition
Unit 13 Carbon Chemistry	Pgs. 50-53, 92-97	Pgs. 40-41	Pgs. 170, 174-175	Properties of Carbon
Unit 14 Non-metals	Pgs. 46-49, 54-55	Pgs. 40-48	Pgs. 181-182	Names and Formulas of Ionic Compounds
Unit 15 Gases	Pgs. 22-23	Pgs. 50-51, 404	Pgs. 171, 179-180, 358-359	Ideal Gas Equation
Unit 16 Electricity	Pgs. 228-229	Pgs. 145-151, 410-411	Pgs. 338-339, 360-367	Electric Charge, Field, and Potential
Unit 17 Circuits	Pgs. 230-231	Pgs. 152-153	Pgs. 340-341	Ohm's Law and Circuits with Resistors
Unit 18 Technology	Pgs. 236-247	Pgs. 160-176	Pgs. 228-239, 374-383	Circuits with Capacitors
Unit 19 Magnetism	Pgs. 232-235	Pgs. 154-157	Pgs. 342-345	Magnets & Magnetic Force
Unit 20 Motors	Pgs. 146-151	Pgs. 158-159	Pgs. 346-347	Magnetic Field Created by a Current, Electric Motors

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Unit 1 Classification & Insects	Pgs. 338-343	Pgs. 305-311, 322-323, 420-421-423	Pgs. 50-54, 70-77	Speciation and Evolutionary Trees, How Entomologists...
Unit 2 Reptiles & Amphibians	Pgs. 298-327	Pgs. 328-331	Pgs. 80-83	Metabolism and Thermoregulation
Unit 3 Fish	Pgs. 298-327	Pgs. 326-327	Pgs. 78-79	Energy in Metabolism
Unit 4 Birds	Pgs. 298-327	Pgs. 332-333	Pgs. 84-85	Introduction to Enzymes
Unit 5 Mammals & Primates	Pgs. 298-327	Pgs. 334-336	Pgs. 86-91	Development and Differentiation
Unit 6 Sound	Pgs. 206-211	Pgs. 177-189, 413	Pgs. 368-373	Sound
Unit 7 Light & Optics	Pgs. 212-215	Pgs. 190-193, 413	Pgs. 260-261, 280-287	Electromagnetic Waves and Interference
Unit 8 Bending Light	Pgs. 218-225	Pgs. 194-201	Pgs. 262-271	Geometric Optics
Unit 9 Color	Pgs. 216-217	Pgs. 202-205	Pgs. 272-279	Color Science and Spectrum of Light (first two videos)
Unit 10 History of Science	Pgs. 412-417	Pgs. 10-16	Pgs. 146-147, 426-431	From Alchemy to Chemistry, Francis Bacon and the Scientific Revolution, Scientific Method and the Age of Enlightenment, and Scientific Method
Unit 11 Igneous Rocks	Pg. 181	Pgs. 221-222, 415	Pgs. 24-25, 28	Rock Cycle
Unit 12 Sedimentary Rocks	Pg. 181	Pgs. 223, 415	Pgs. 30-31	
Unit 13 Metamorphic Rocks	Pg. 181	Pgs. 224, 415	Pg. 29	
Unit 14 Gems & Minerals	Pg. 199	Pgs. 221, 415, 415	Pgs. 26-27	
Unit 15 Fossils	Pg. 338	Pgs. 225-231	Pgs. 4-7	Dinosaur Fossils
Unit 16 Chemical Reactions	Pgs. 76-79	Pgs. 49, 52-53, 405	Pgs. 162-163, 176-177	Ions and Compounds, Balancing Chemical Equations
Unit 17 Reversible Reactions	Pg. 78	Pgs. 54-57		Types of Chemical Reactions
Unit 18 Compounds & Solutions	Pgs. 58-61, 66-67, 82-83	Pgs. 58-63	Pgs. 158-161	Mixtures & Solutions
Unit 19 Oxidation & Reduction	Pgs. 80-81	Pgs. 64-67	Pg. 178	Oxidation & Reduction
Unit 20 Acids & Bases	Pgs. 84-87	Pgs. 68-72	Pgs. 184-186	Acids, Bases, and pH

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LoL Year 4	Usborne	DK	Kingfisher	Khan Academy
Unit 1 Heat & Temperature	Pgs. 110-113	Pgs. 140-142, 408	Pgs. 242-259	Temperature, Kinetic Theory, and the Ideal Gas Law
Unit 2 Motors & Engines	Pgs. 146-151	Pgs. 143-144	Pgs. 224-229, 304-305	Laws of Thermodynamics
Unit 3 Energy	Pgs. 106-107	Pgs. 132-133, 409	Pgs. 292-295	Work and Energy
Unit 4 Energy Sources	Pg. 108, 114-117	Pgs. 134-137	Pgs. 328-331, 348-351	Nova Labs: Energy
Unit 5 Energy Conversion	Pg. 109	Pgs. 138-139	Pgs. 306-309, 352-357	Springs & Hooke's Law
Unit 6 Earth Structure	Pgs. 178-183	Pgs. 209-213	Pgs. 2-13	Structure of the Earth
Unit 7 Plate Tectonics	Pg. 181	Pgs. 214-215	Pgs. 14-17	Plate Tectonics
Unit 8 Earthquakes	Pg. 182	Pg. 220	Pgs. 20-21	Earthquakes
Unit 9 Volcanoes	Pgs. 182-183	Pgs. 216-217	Pgs. 18-19	Volcanoes
Unit 10 Mountain Building	Pg. 181	Pgs. 218-219	Pgs. 22-23	
Unit 11 Chemistry of Air & Water	Pgs. 62-65, 72-75	Pgs. 74-75	Pgs. 172-173	Hydrogen Bonding in Water
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Unit 20 Conservation	Pgs. 196-199, 334-337	Pgs. 374-376, 398-400, 424-425	Pgs. 442-447, 450-463	Biodiversity and Conservation

Resources Used: The Usborne Science Encyclopedia (2015)
 DK Encyclopedia of Science (1993/2006), The Kingfisher Science Encyclopedia (2000-2017),
 Khan Academy Videos/Lessons - includes embedded hyperlinks on the PDF.
 Bozeman Science Videos were supplemented in several places to accompany Khan Academy.



Layers of Learning Arts Correlation

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Unit 1 Cave Paintings	Pgs. 14-19	Pgs. 10-11	Pg. 4
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Resources Used: DK The Arts: A Visual Encyclopedia (2017),
 The Story of Painting by Sister Wendy Beckett (2000) 2nd Edition,
 The Annotated Mona Lisa by Carol Strickland, PhD. (2007) 2nd Edition.



Layers of Learning Arts Correlation

LoL Year 2	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
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Resources Used: DK The Arts: A Visual Encyclopedia (2017),
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Layers of Learning Arts Correlation

LoL Year 3	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
Unit 1 Fairy Tales			
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Unit 7 Baroque Art I	Pgs. 84-91, 94-101, 179-181	Pgs. 368-377, 382-387, 420-421	Pgs. 46-63
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Unit 10 Watercolors			
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Unit 17 Folk Music	Pgs. 259-263		
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Unit 19 Creative Crafts I			
Unit 20 Creative Crafts 11			

Resources Used: DK The Arts: A Visual Encyclopedia (2017),
 The Story of Painting by Sister Wendy Beckett (2000) 2nd Edition,
 The Annotated Mona Lisa by Carol Strickland, PhD. (2007) 2nd Edition.



Layers of Learning Arts Correlation

LoL Year 4	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
Unit 1 Patriotic Music			
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Unit 3 Romantic Art I	Pgs. 110-127	Pgs. 454-474, 487-509	Pgs. 68-87
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Unit 19 Architecture			Pgs. 5-7, 89-90, 126-127, 146-147, 180-183
Unit 20 Creative Kids			

Resources Used: DK The Arts: A Visual Encyclopedia (2017),
 The Story of Painting by Sister Wendy Beckett (2000) 2nd Edition,
 The Annotated Mona Lisa by Carol Strickland, PhD. (2007) 2nd Edition.