



# Layers of Learning History Correlation

LoL Year 1	Usborne	Kingfisher	The Story of the World
<b>Unit 1</b> 1 <sup>st</sup> Civilizations	Pgs. 108-113	Pgs. 8-9	Chapters AT 1, 3, 5
<b>Unit 2</b> Ancient Egypt	Pgs. 114-117, 134-139	Pgs. 10-11, 26-27	Chapters AT 2, 4, 12, 13
<b>Unit 3</b> Ancient Europe	Pgs. 120-123	Pgs. 12-13	
<b>Unit 4</b> Ancient Greece	Pgs. 124-131, 154-161	Pgs. 16-17, 38, 52-56	Chapters AT 18, 19, 20, 22, 23, 24, 25
<b>Unit 5</b> Babylon	Pgs. 150-151	Pg. 2, 36-371	Chapters AT 7, 17
<b>Unit 6</b> The Levant	Pgs. 133, 140-143	Pg. 20, 24-25, 61	Chapters AT 6, 14, MA 20
<b>Unit 7</b> Phoenicians	Pgs. 144-145	Pgs. 28-29	Chapter AT 15
<b>Unit 8</b> Assyrians	Pgs. 146-149	Pgs. 22-23	Chapters AT 8, 16
<b>Unit 9</b> Persians	Pg. 152-153	Pgs. 40-41, 74-75	Chapter AT 21
<b>Unit 10</b> Ancient China	Pgs. 164-169	Pgs. 18-19, 39, 58-59, 70-71	Chapters AT 10, 32, 33
<b>Unit 11</b> Early Japan	Pg. 170	Pgs. 84-85	
<b>Unit 12</b> Arabia	Pg. 171		
<b>Unit 13</b> Ancient India	Pgs. 118-119, 174-175	Pgs. 14-15, 33, 57, 78-79	Chapters AT 9, 30, 31
<b>Unit 14</b> Ancient Africa	Pgs. 172-173	Pgs. 30-31, 60	Chapter AT 11
<b>Unit 15</b> First N. Americans	Pgs. 176-177	Pgs. 32, 76, 86-87	Chapter AT 26
<b>Unit 16</b> Ancient S. America	Pgs. 178-181	Pgs. 77	Chapter AT 26
<b>Unit 17</b> Celts	Pgs. 182-183, 244-245	Pgs. 68-69	Chapter MA 2
<b>Unit 18</b> Roman Republic	Pg. 184	Pgs. 34-35, 62-63	Chapter AT 27, 28, 29
<b>Unit 19</b> Christianity	Pgs. 192-193	Pgs. 72-73	Chapters AT 37, 38, 39
<b>Unit 20</b> 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) 3<sup>rd</sup> 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
<b>Unit 1</b> Byzantines	Pgs. 202-203	Pgs. 100-101	Chapter MA 4
<b>Unit 2</b> Barbarians	Pgs. 204-205	Pgs. 102-103, 154-155	Chapter MA 3
<b>Unit 3</b> Islam	Pgs. 206-209	Pgs. 106-107, 116	Chapters MA 5, 6, 7
<b>Unit 4</b> Vikings	Pgs. 210-213	Pgs. 130-131	Chapter MA 14
<b>Unit 5</b> Anglo-Saxons	Pgs. 214-215	Pgs. 122-123	Chapter MA 15
<b>Unit 6</b> Charlemagne	Pgs. 216-217	Pgs. 114-115	Chapters MA 11, 12, 13, EMA 1
<b>Unit 7</b> Normans	Pgs. 218-219	Pgs. 132-133, 152-153, 176-177	Chapter MA 26
<b>Unit 8</b> Feudal System	Pgs. 220-231	Pgs. 150-15, 162-1631	Chapters MA 16, 17
<b>Unit 9</b> Crusades	Pgs. 232-243, 252-253	Pgs. 108-109, 148-149, 178-179, 182-183	Chapter MA 18, 19, 25
<b>Unit 10</b> Burgundy, Ven., Spain	Pgs. 246-247, 258-259	Pgs. 160-16, 200-2011	Chapter MA 28
<b>Unit 11</b> Wars of the Roses	Pgs. 248-249	Pgs. 210-211	Chapter MA 27
<b>Unit 12</b> Eastern Europe	Pgs. 254-257	Pgs. 112-113, 120-121, 124-125, 126-127, 134-135, 158-159	
<b>Unit 13</b> African Kingdoms	Pgs. 260-263	Pgs. 117, 164-167, 208	Chapter MA 29
<b>Unit 14</b> Asian Kingdoms	Pgs. 264-267	Pgs. 184-185	
<b>Unit 15</b> Mongols	Pgs. 250-251	Pgs. 170-171	Chapter MA 21, 22, 23
<b>Unit 16</b> 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
<b>Unit 17</b> Pacific Peoples	Pgs. 274-275	Pgs. 88-89	Chapter MA 10
<b>Unit 18</b> American Peoples	Pgs. 276-283	Pgs. 110-111, 128-129, 172-173	Chapter MA 32
<b>Unit 19</b> The Renaissance	Pgs. 284-287	Pgs. 202-205	Chapter MA 35
<b>Unit 20</b> 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
<b>Unit 1</b> Age of Exploration	Pgs. 296-297	Pgs. 174-175, 206-207, 212-213	Chapters MA 41, 42, EMA 4
<b>Unit 2</b> Ottoman Empire	Pgs. 298-299	Pgs. 216-217, 266-267, 376-377	Chapters MA 24, EMA 8, 18
<b>Unit 3</b> Mogul Empire	Pgs. 300-301	Pgs. 218-219	Chapter MA 30, EMA 11
<b>Unit 4</b> Reformation	Pgs. 302-303	Pgs. 214-215	Chapters MA 34, 36, EMA 2
<b>Unit 5</b> Renaissance England	Pgs. 304-307	Pgs. 223, 246-247, 260-261, 274-275	Chapters MA 38, 39, EMA 3, 12
<b>Unit 6</b> Thirty Years' War	Pgs. 308-309	Pgs. 222, 252-253	Chapter EMA 9
<b>Unit 7</b> The Dutch	Pgs. 310-311	Pgs. 228-229, 259	Chapters EMA 2, 6
<b>Unit 8</b> France	Pgs. 312-313	Pgs. 254-255, 264, 300-301	Chapters EMA 4, 13
<b>Unit 9</b> The Enlightenment	Pgs. 314-315	Pgs. 268-269, 306-307	Chapters MA 37, EMA 16
<b>Unit 10</b> Russia & Prussia	Pgs. 316-319	Pgs. 226-227, 276-277, 310-311	Chapters EMA 14, 17, 26
<b>Unit 11</b> Conquistadors	Pgs. 320-321	Pgs. 196-199, 220-221	
<b>Unit 12</b> Settlers	Pgs. 322	Pgs. 230-231, 248-249, 302-303	Chapters MA 40, EMA 6
<b>Unit 13</b> 13 Colonies	Pgs. 323	Pgs. 280-281	Chapters EMA 6, 15, 21
<b>Unit 14</b> Slave Trade	Pgs. 324-325	Pgs. 270-271	Chapter EMA 7
<b>Unit 15</b> South Pacific	Pgs. 326-327	Pgs. 312-313, 348-349, 374-375	Chapters EMA 24, 41
<b>Unit 16</b> British in India	Pgs. 328-329	Pgs. 265, 258, 298-299, 324-325, 368-369	Chapter EMA 19
<b>Unit 17</b> Boston Tea Party	Pg. 330		Chapter EMA 22
<b>Unit 18</b> Founding Fathers			Chapter EMA 22
<b>Unit 19</b> Declaring Independence	Pg. 330	Pgs. 316-317	Chapter EMA 22
<b>Unit 20</b> American Revolution	Pgs. 330-331		Chapter EMA 22

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 The Kingfisher Encyclopedia of World History, (2016) 3<sup>rd</sup> 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 4	Usborne	Kingfisher	The Story of the World
<b>Unit 1</b> American Govern.			Chapter EMA 23
<b>Unit 2</b> Expanding Nation	Pg. 350	Pgs. 328-329	Chapters EMA 38, MOD 16
<b>Unit 3</b> Industrial Revolution	Pgs. 336-341	Pgs. 294-297, 340-341	Chapters EMA 27, 31
<b>Unit 4</b> 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
<b>Unit 5</b> Africa	Pgs. 346-347	Pgs. 272-273, 308-309, 343, 362-363	Chapters EMA 37, MOD 12
<b>Unit 6</b> The West	Pg. 351	Pgs. 342, 370-371	Chapters EMA 32, 40, 42
<b>Unit 7</b> Civil War	Pgs. 348-349	Pgs. 322-323, 354-356	Chapters EMA 36, MOD 5
<b>Unit 8</b> World War I	Pgs. 358-359	Pgs. 388-397	Chapters MOD 20, 21, 23
<b>Unit 9</b> Totalitarianism	Pgs. 360-365, 368-369	Pgs. 398-399, 402-403, 406-412	Chapter MOD 14, 21
<b>Unit 10</b> Great Depression	Pgs. 366-367	Pgs. 400-401, 404-405	Chapter MOD 26
<b>Unit 11</b> World War II	Pgs. 370-373	Pgs. 413-420	Chapters MOD 28, 29
<b>Unit 12</b> 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
<b>Unit 13</b> India's Independence	Pg. 374-375	Pgs. 421, 424	Chapters MOD 22, 30
<b>Unit 14</b> Israel	Pgs. 376-377	Pgs. 422-423	
<b>Unit 15</b> Cold War	Pgs. 378-383	Pgs. 436-439	Chapters MOD 35, 40, 41
<b>Unit 16</b> Vietnam War	Pg. 379	Pgs. 444-445	Chapter MOD 37
<b>Unit 17</b> Latin America			Chapter MOD 34
<b>Unit 18</b> Civil Rights	Pgs. 384-385	Pgs. 373, 446-447	Chapter MOD 36
<b>Unit 19</b> Technology	Pgs. 386-393	Pgs. 442-443, 454-457	
<b>Unit 20</b> Terrorism		Pg. 448, 450-453, 464	Chapters MOD 38, 42

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# Layers of Learning Geography Correlation

LoL Year 1	DK First Atlas	DK Children's Atlas	DK Student Atlas	Geography of the World
<b>Unit 1</b> Maps & Globes	Pgs. 4-7		Pgs. 4-5, 8-9	
<b>Unit 2</b> Map Keys	Pgs. 6-7	Pg. 16	Pgs. 12-13	
<b>Unit 3</b> Global Grids			Pgs. 6-7	
<b>Unit 4</b> Wonders of the World				
<b>Unit 5</b> Mapping People		Pgs. 12-15	Pgs. 20-27	
<b>Unit 6</b> Physical Earth		Pgs. 4-11	Pgs. 10-11, 14-19	Pgs. 10-11
<b>Unit 7</b> Oceans	Pgs. 10-11	Pgs. 66-67, 114-115, 144-145		Pgs. 76-77, 202-203, 254-265, 266-267
<b>Unit 8</b> Deserts	Pgs. 8-9, 40-41	Pgs. 102-103		Pgs. 152, 204
<b>Unit 9</b> Arctic	Pgs. 12-15, 118-119	Pgs. 64-65	Pgs. 142-143	Pgs. 266-269
<b>Unit 10</b> Forests	Pgs. 8-9, 32-33			Pg. 15
<b>Unit 11</b> Mountains	Pgs. 34-35, 62-63			Pg. 15
<b>Unit 12</b> Rivers & Lakes				
<b>Unit 13</b> Grasslands	Pgs. 8-9			Pg. 15
<b>Unit 14</b> Africa	Pgs. 36-43	Pgs. 100-101	Pgs. 66-69	Pgs. 204-207
<b>Unit 15</b> North America	Pgs. 16-29	Pgs. 18-35	Pgs. 28-31, 52-53	Pgs. 20-23
<b>Unit 16</b> South America	Pgs. 30-35	Pgs. 54-55	Pgs. 58-61	Pgs. 40-43
<b>Unit 17</b> Europe	Pgs. 44-83	Pgs. 68-69	Pgs. 78-81	Pgs. 78-81
<b>Unit 18</b> Asia	Pgs. 84-111	Pgs. 116-117, 128-129	Pgs. 114-117	Pgs. 132-137
<b>Unit 19</b> Australia & Oceania	Pgs. 112-117	Pgs. 142-143, 146-148	Pgs. 134-137	Pgs. 254-257
<b>Unit 20</b> 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" &  
 there are slight variations between editions,  
 DK Student Atlas (2015) 8<sup>th</sup> Edition, DK Geography of the World (1996, 2003, 2006).



# Layers of Learning Geography Correlation

LoL Year 2	DK First Atlas	DK Children's Atlas	DK Student Atlas	Geography of the World
<b>Unit 1</b> Turkey	Pgs. 90-93	Pgs. 118-119	Pgs. 120-121	Pgs. 144-145
<b>Unit 2</b> Ireland	Pgs. 48-51	Pgs. 72-73	Pgs. 88-89	Pg. 90
<b>Unit 3</b> Arabian Peninsula	Pgs. 90-93	Pgs. 120-123	Pgs. 122-123	Pgs. 152-159
<b>Unit 4</b> Norway	Pgs. 44-47	Pgs. 70-71	Pgs. 82-83	Pg. 83
<b>Unit 5</b> Britain	Pgs. 48-51	Pgs. 72-73	Pgs. 86-95	Pgs. 87-88
<b>Unit 6</b> France	Pgs. 56-59	Pgs. 76-77	Pgs. 96-97	Pgs. 97-98
<b>Unit 7</b> Nigeria	Pgs. 36-37	Pgs. 106-107	Pgs. 72-73	Pgs. 230-231
<b>Unit 8</b> Germany	Pgs. 60-63	Pgs. 80-81	Pgs. 100-101	Pgs. 94-86
<b>Unit 9</b> Balkans	Pgs. 80-83	Pgs. 88-89, 92-93	Pgs. 106-107	Pgs. 124-131
<b>Unit 10</b> Switzerland	Pgs. 60-63	Pgs. 82-83	Pgs. 100-101	Pgs. 106-107
<b>Unit 11</b> Russia	Pgs. 84-89	Pgs. 96-97, 126-127	Pgs. 110-11,118-119	Pgs. 138-143
<b>Unit 12</b> Hungary	Pgs. 72-75	Pgs. 84-85	Pgs. 104-105	Pgs. 118-119
<b>Unit 13</b> Mali	Pgs. 36-41	Pgs. 106-107	Pgs. 72-73	Pgs. 222-223
<b>Unit 14</b> Southeast Asia	Pgs. 98-101	Pgs. 138-141	Pgs. 130-131	Pgs. 188-201
<b>Unit 15</b> Caucasus	Pgs. 84-85, 89	Pgs. 98-99	Pgs. 120-121	Pgs. 120-123
<b>Unit 16</b> China	Pgs. 102-107	Pgs. 132-135	Pgs. 128-129	Pgs. 176-179
<b>Unit 17</b> Micronesia	Pgs. 116-117	Pgs. 144-145	Pgs. 134-135	Pgs. 254,257, 264
<b>Unit 18</b> Canada	Pgs. 16-19	Pgs. 36-39	Pgs. 32-35	Pgs. 24-29
<b>Unit 19</b> Italy	Pgs. 68-71	Pgs. 86-87	Pgs. 102-103	Pgs. 103-105
<b>Unit 20</b> Caribbean Sea	Pgs. 27, 29	Pgs. 56-57	Pgs. 56-57	Pgs. 42-45, 52-57

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" &  
 there are slight variations between editions,  
 DK Student Atlas (2015) 8<sup>th</sup> Edition, DK Geography of the World (1996, 2003, 2006).



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LoL Year 3	DK First Atlas	DK Children's Atlas	DK Student Atlas	Geography of the World
<b>Unit 1</b> Argentina & Chile	Pgs. 30-35	Pgs. 62-63	Pgs. 64-65	Pgs. 73-75
<b>Unit 2</b> Egypt & Libya	Pgs. 42-43	Pgs. 102-105	Pgs. 70-71	Pgs. 231, 216
<b>Unit 3</b> Pakistan & Afghanistan	Pgs. 94-97	Pgs. 124-125, 130-131	Pgs. 124-127	Pgs. 165, 168
<b>Unit 4</b> Angola & Zambia	Pgs. 36-37	Pgs. 110-113	Pgs. 76-77	Pgs. 245, 248
<b>Unit 5</b> Tanzania & Kenya	Pgs. 36-37	Pgs. 110-111	Pgs. 74-75	Pgs. 242-243
<b>Unit 6</b> Spain	Pgs. 64-67	Pgs. 74-75	Pgs. 98-99	Pgs. 100-101
<b>Unit 7</b> Netherlands	Pgs. 52-55	Pgs. 78-79	Pgs. 84-85	Pg. 92
<b>Unit 8</b> Indonesia	Pgs. 98-101	Pgs. 140-141	Pgs. 130-131	Pgs. 198-199
<b>Unit 9</b> Korean Peninsula	Pgs. 102-105	Pgs. 134-135	Pgs. 132-133	Pgs. 182-183
<b>Unit 10</b> Central Asia	Pgs. 84-85	Pgs. 124-127	Pgs. 118-119, 124-125	Pgs. 162-164
<b>Unit 11</b> Baltic States	Pgs. 76-79	Pgs. 94-95	Pgs. 82-83	Pg. 113
<b>Unit 12</b> Peru & Bolivia	Pgs. 30-35	Pgs. 58-59	Pgs. 61-65	Pgs. 64-65
<b>Unit 13</b> Central America	Pgs. 26-29	Pgs. 56-57	Pgs. 54-55	Pgs. 44-51
<b>Unit 14</b> Brazil	Pgs. 30-33	Pgs. 60-61	Pgs. 62-63	Pgs. 66-69
<b>Unit 15</b> Australasia	Pgs. 112-117	Pgs. 146-148	Pgs. 134-139	Pgs. 254-265
<b>Unit 16</b> India	Pgs. 94-97	Pgs. 130-131	Pgs. 126-127	Pgs. 170-171
<b>Unit 17</b> Japan	Pgs. 108-111	Pgs. 136-137	Pgs. 132-133	Pgs. 184-187
<b>Unit 18</b> Iran	Pgs. 90-93	Pgs. 122-123	Pgs. 122-123	Pg. 155
<b>Unit 19</b> Samoa & Tonga	Pgs. 116-117	Pgs. 144-145	Pgs. 140-141	Pgs. 264-265
<b>Unit 20</b> South Africa	Pgs. 36-37	Pgs. 112-113	Pgs. 76-77	Pgs. 252-253

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LoL Year 4	DK First Atlas	DK Children's Atlas	DK Student Atlas	Geography of the World
<b>Unit 1</b> USA	Pgs. 20-25		Pg. 29	Pgs. 30-31
<b>Unit 2</b> Pacific States	Pgs. 16-25	Pgs. 36-37, 50-51	Pgs. 48-51	Pgs. 32-33
<b>Unit 3</b> U.S. Landscapes	Pgs. 20-21		Pg. 28	
<b>Unit 4</b> Mountain West States	Pgs. 20-25	Pgs. 46-49	Pgs. 46-47	Pgs. 34-35
<b>Unit 5</b> U.S. Political Maps				
<b>Unit 6</b> Southwest States	Pgs. 20-25	Pgs. 48-49	Pgs. 44-45	Pgs. 32-35
<b>Unit 7</b> National Parks				
<b>Unit 8</b> Plains States	Pgs. 20-25	Pgs. 46-47	Pgs. 42-43	Pgs. 34-35
<b>Unit 9</b> U.S. Economics				
<b>Unit 10</b> Heartland States	Pgs. 20-25	Pgs. 44-45	Pgs. 40-41	Pgs. 36-37
<b>Unit 11</b> Symbols & Landmarks				
<b>Unit 12</b> Southern States	Pgs. 20-25	Pgs. 42-43	Pgs. 38-39	Pgs. 36-37
<b>Unit 13</b> People of America	Pgs. 24-25			Pgs. 30-31
<b>Unit 14</b> Appalachian States	Pgs. 20-25	Pgs. 42-43	Pgs. 38-39	Pgs. 36-37
<b>Unit 15</b> U.S. Territories			Pg. 51	
<b>Unit 16</b> Atlantic States	Pgs. 20-25	Pgs. 40-41	Pgs. 36-37	Pgs. 36-37
<b>Unit 17</b> New England States	Pgs. 20-25	Pgs. 40-41	Pgs. 36-37	Pgs. 36-37
<b>Unit 18</b> Home State Study				
<b>Unit 19</b> Home State Study II				
<b>Unit 20</b> America in Review	Pgs. 16-25			

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" & there are slight variations between editions,

DK Student Atlas (2015) 8<sup>th</sup> Edition, DK Geography of the World (1996, 2003, 2006).





# 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)

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 Science Correlation

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

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 Science Correlation

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

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 Science Correlation

LoL Year 4	Usborne	DK	Kingfisher	Khan Academy
<b>Unit 1</b> Heat & Temperature	Pgs. 110-113	Pgs. 140-142, 408	Pgs. 242-259	Temperature, Kinetic Theory, and the Ideal Gas Law
<b>Unit 2</b> Motors & Engines	Pgs. 146-151	Pgs. 143-144	Pgs. 224-229, 304-305	Laws of Thermodynamics
<b>Unit 3</b> Energy	Pgs. 106-107	Pgs. 132-133, 409	Pgs. 292-295	Work and Energy
<b>Unit 4</b> Energy Sources	Pg. 108, 114-117	Pgs. 134-137	Pgs. 328-331, 348-351	Nova Labs: Energy
<b>Unit 5</b> Energy Conversion	Pg. 109	Pgs. 138-139	Pgs. 306-309, 352-357	Springs & Hooke's Law
<b>Unit 6</b> Earth Structure	Pgs. 178-183	Pgs. 209-213	Pgs. 2-13	Structure of the Earth
<b>Unit 7</b> Plate Tectonics	Pg. 181	Pgs. 214-215	Pgs. 14-17	Plate Tectonics
<b>Unit 8</b> Earthquakes	Pg. 182	Pg. 220	Pgs. 20-21	Earthquakes
<b>Unit 9</b> Volcanoes	Pgs. 182-183	Pgs. 216-217	Pgs. 18-19	Volcanoes
<b>Unit 10</b> Mountain Building	Pg. 181	Pgs. 218-219	Pgs. 22-23	
<b>Unit 11</b> Chemistry of Air & Water	Pgs. 62-65, 72-75	Pgs. 74-75	Pgs. 172-173	Hydrogen Bonding in Water
<b>Unit 12</b> Food Chemistry	Pg. 291	Pgs. 76-80, 92-93	Pgs. 188-189	Macromolecules
<b>Unit 13</b> Industry	Pgs. 98-103	Pgs. 81-90, 92-103, 106-112, 407	Pgs. 187, 190-191, 204-227	Naming Alkanes
<b>Unit 14</b> Chemistry of Farming	Pg. 291	Pg. 91	Pgs. 448-449	Reaction Rates
<b>Unit 15</b> Chemistry of Medicine	Pg. 388-391	Pgs. 104-105	Pg. 140	Antibiotics and Antibiotic Resistance
<b>Unit 16</b> Food Chains	Pgs. 332-333	Pgs. 369-373, 377	Pgs. 434-435	Intro to Ecology, Intro to Community Ecology
<b>Unit 17</b> Animal Groups	Pgs. 318-319	Pgs. 378-379	Pgs. 94-95	Intro to Population Ecology and Population Growth and Regulation
<b>Unit 18</b> Instincts		Pgs. 380-381	Pg. 93	Animal Behavior
<b>Unit 19</b> Habitats	Pgs. 330-331	Pgs. 382-397	Pgs. 68-69, 436-441	Community Structure and Diversity
<b>Unit 20</b> 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

LoL Year 1	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
<b>Unit 1</b> Cave Paintings	Pgs. 14-19	Pgs. 10-11	Pg. 4
<b>Unit 2</b> Egyptian Art	Pgs. 20-23, 172-173	Pgs. 14-15	Pgs. 8-11
<b>Unit 3</b> Crafts			
<b>Unit 4</b> Greek Art	Pgs. 26-31, 174-175	Pgs. 18-24	Pgs. 12-15
<b>Unit 5</b> Poetry			
<b>Unit 6</b> List Poems			
<b>Unit 7</b> Moral Stories			
<b>Unit 8</b> Rhythm	Pgs. 240-241		
<b>Unit 9</b> Melody			
<b>Unit 10</b> Chinese Art	Pgs. 34-35, 176-177		
<b>Unit 11</b> Line & Shape			
<b>Unit 12</b> Color & Value	Pgs. 12-13		
<b>Unit 13</b> Texture & Form			
<b>Unit 14</b> African Tales			
<b>Unit 15</b> Creative Kids			
<b>Unit 16</b> S. American Art	Pgs. 172-172		Pgs. 20-21
<b>Unit 17</b> Jewelry			
<b>Unit 18</b> Roman Art	Pgs. 32-33, 174-175	Pgs. 24-31	Pgs. 16-19
<b>Unit 19</b> Instruments	Pgs. 202-203, 216-219, 224-225, 230-231, 236-237, 240-241, 244-245		
<b>Unit 20</b> Composing Music	Pgs. 220-221		

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



# Layers of Learning Arts Correlation

LoL Year 2	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
<b>Unit 1</b> Byzantine Art	Pgs. 40-41	Pgs. 34-37	Pgs. 24-25
<b>Unit 2</b> Illumination	Pgs. 44-45	Pgs. 40, 44-49, 83	
<b>Unit 3</b> Creative Kids			
<b>Unit 4</b> Viking Art			
<b>Unit 5</b> King Arthur Tales			
<b>Unit 6</b> Carolingian Art	Pgs. 46-47	Pg. 41	
<b>Unit 7</b> Canterbury Tales		Pg. 93	
<b>Unit 8</b> Gothic Art	Pgs. 48-49	Pgs. 55-129	Pgs. 28-29
<b>Unit 9</b> Religious Art	Pgs. 36-39, 42-43	Pgs. 52-53, 64-71	Pgs. 26-27
<b>Unit 10</b> Oil Paints	Pgs. 75-77	Pgs. 96-105	
<b>Unit 11</b> Minstrels & Plays	Pgs. 204-205, 256-259		
<b>Unit 12</b> Printmaking		Pgs. 272-275	Pg. 43
<b>Unit 13</b> Textiles			
<b>Unit 14</b> Vivid Language			
<b>Unit 15</b> Fun With Poetry			
<b>Unit 16</b> Asian Arts	Pgs. 132-133, 176-177, 254-255		
<b>Unit 17</b> Arts of the Islands			
<b>Unit 18</b> Indian Legends			
<b>Unit 19</b> Renaissance Art I	Pgs. 50-83, 178-179	Pgs. 136-193	Pgs. 33-45
<b>Unit 20</b> Renaissance Art II	Pgs. 50-83, 178-179	Pgs. 198-242	Pgs. 33-45

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



# Layers of Learning Arts Correlation

LoL Year 3	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
Unit 1 Fairy Tales			
Unit 2 Poetry			
Unit 3 Mogul Arts			
Unit 4 Reformation Art			
Unit 5 Shakespeare			
Unit 6 Baroque Music	Pgs. 206-209		
Unit 7 Baroque Art I	Pgs. 84-91, 94-101, 179-181	Pgs. 368-377, 382-387, 420-421	Pgs. 46-63
Unit 8 Baroque Art II	Pgs. 84-91, 94-101, 179-181	Pgs. 314-319, 380-381	Pgs. 46-63
Unit 9 Art Journaling			
Unit 10 Watercolors			
Unit 11 Creative Kids			
Unit 12 Native American Art	Pg. 248		
Unit 13 Settler Sayings			
Unit 14 Colonial Art			
Unit 15 Principles of Art	Pgs. 8-11		Introduction: How To Look At A Painting
Unit 16 Classical Music	Pgs. 210-213		
Unit 17 Folk Music	Pgs. 259-263		
Unit 18 Rococo	Pgs. 92-93	Pgs. 424-457	Pgs. 64-65
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) 2<sup>nd</sup> Edition,  
 The Annotated Mona Lisa by Carol Strickland, PhD. (2007) 2<sup>nd</sup> Edition.



# Layers of Learning Arts Correlation

LoL Year 4	The Arts: A Visual Encyclopedia	Story of Painting	The Annotated Mona Lisa
<b>Unit 1</b> Patriotic Music			
<b>Unit 2</b> Tall Tales			
<b>Unit 3</b> Romantic Art I	Pgs. 110-127	Pgs. 454-474, 487-509	Pgs. 68-87
<b>Unit 4</b> Romantic Art II	Pgs. 214-215		Pgs. 68-87
<b>Unit 5</b> Impressionism I	Pgs. 134-141	Pgs. 511-569	Pgs. 96-11
<b>Unit 6</b> Impressionism II	Pgs. 134-141	Pgs. 511-569	Pgs. 96-111
<b>Unit 7</b> Post-Impressionism	Pgs. 142-147	Pgs. 572-595	Pgs. 112-122
<b>Unit 8</b> Expressionism	Pgs. 148-151	Pgs. 628-639	Pgs. 123-125, 142-144
<b>Unit 9</b> Abstract Art	Pgs. 152-157, 162-165	Pgs. 640-664, 682-690	Pgs. 130-141, 145, 158-163
<b>Unit 10</b> Kinds of Art			
<b>Unit 11</b> War Art	Pgs. 158-159		Pg. 144, 148-151, 157, 164-165
<b>Unit 12</b> Modern Art	Pgs. 130-131, 160-161, 168-169, 182-185	Pgs. 678-679, 691-695	Pgs. 88, 154-156, 166-167, 170-171, 187-194
<b>Unit 13</b> Pop Art	Pgs. 166-167	Pgs. 698-704	Pgs. 172-179
<b>Unit 14</b> Modern Music	Pgs. 222-245		
<b>Unit 15</b> Free Verse			
<b>Unit 16</b> Photography	Pgs. 188-199		Pgs. 92-95, 152-153, 184-186
<b>Unit 17</b> Latin American Art	Pgs. 270-271		
<b>Unit 18</b> Theater & Film	Pgs. 226-227, 284-285		Pgs. 195-196
<b>Unit 19</b> Architecture			Pgs. 5-7, 89-90, 126-127, 146-147, 180-183
<b>Unit 20</b> Creative Kids			

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