

World and Human Timeline

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Phone to 10/11/23

It's time to put world history into perspective. This table covers everything from formation of the planet, creation of continents, first life forms, human evolution, ancient civilizations, technologies (tools, metal ages), domestication of animals, legal foundations, famous/infamous rulers, astronomy, natural disasters, sports, and world population trends. Specific athletes and artists were excluded unless they had other accomplishments. I tried to include dates for the Industrial Revolutions, but sources varied wildly.

Dates are very approximate; some sources may differ by 10% or more. Several pre-humans were only discovered in the last few decades. **The calendar year for recent events versus years ago is based on 2023.** Geological time periods from large to small are:

Eon Era Period Epoch & Age (not included in the timeline, see chart on last page)

We are in the Modern Era, and geologically the Quaternary Period, Cenozoic Era and Phanerozoic Eon.

YA = Years Ago, MYA = Million Years Ago, CE = Common Era, BCE = Before Common Era.

Years Ago	Cal. Year	Event	Notes
0	2023	Total humans to date	Estimated at 117 billion. 8 billion alive now.
1	2022	First complete human DNA	Telomere-to-Telomere Consortium (many)
16	2007	iPhone premier	And last Harry Potter book published.
18	2005	New ocean in Ethiopia	35-mile crack may make Ethiopia an island.
23	2000	Last time all humans on Earth	ISS occupied since 11/2/2000 (space)
31	1992	First exoplanet discovered	Now (2024) over 5600 confirmed
32	1991	First webcam (England)	Monitor coffee pot @ Univ of Cambridge
32	1991	World Wide Web released	CERN, Switzerland
34	1989	Berlin Wall fell	Germany
36	1987	Adobe Photoshop invented	
37	1986	First DNA test used for court	Dr. Alec J. Jeffreys (UK)
42	1981	Guillotine banned in France	And capital punishment in general.
42	1981	First space shuttle flight	"Columbia" STS-1, USA.
44	1979	Dinos killed by asteroid	Evidence first found for this theory.
50	1973	First mobile phone call	Motorola DynaTAC. NYC, USA
51	1972	First electronic digital watch	Hamilton Watch Co., cost \$2100. (USA)
53	1970	First gay pride parades	New York, Los Angeles, Chicago. (USA)
56	1967	First woman in Boston Marathon	Katherine Switzer (USA)
56	1967	Plate tectonics recognized	Basis for understanding earthquakes. Alfred Wegener (Germany) wrote in 1912.
57	1966	Analog 12-DOF simulation	For Saturn V rocket. (USA)

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62	1961	Berlin Wall started	Dividing East and West (Germany)
62	1961	First human in space	Cosmonaut Yuri Gagarin (Russia)
62	1961	Integrated circuit patented	Robert Noyce (USA), basis for computer chips
63	1960	Laser invented	Theodore Maiman at Hughes Research Laboratories, California USA
64	1959	The Day the Music Died	Plane crash killed Buddy Holly, Ritchie Valens, "The Big Bopper" J. P. Richardson and the pilot.
66	1957	Last commercial sailing ship	The Pamir, a four-masted barque.
70	1953	DNA structure determined	Francis Crick, Rosalind Franklin, James Watson, Maurice Wilkins (UK)
70	1953	\$185k GE OARAC computer	Beat six people in multiplication of a 10-digit no.
73	1950	Gilbert Atomic Energy Lab sold	With real U-238.
76	1947	First supersonic level flight	Bell X-1 rocket plane, pilot Chuck Yeager
78	1945	First nuclear explosion	July 16, "Trinity" Los Alamos, NM (USA)
78	1945	First general purpose digital electronic computer	ENIAC (USA)
79	1944	First rock music recording	Sister Rosetta Tharpe, "Down by the Riverside" (USA)
85	1938	Discover nuclear reactions	Otto Hahn & Fritz Strassmann (Germany)
86	1937	First jet engine	Sr Frank Whittle (UK)
86	1937	Hindenburg disaster	Airship destroyed (USA)
88	1935	Mount Rushmore SD carved	Was Lakota's Six Grandfather's Mountain
90	1933	Central Park was shanty town	No plants no buildings just shacks.
93	1930	Pluto discovered	Clyde W. Tombaugh (Arizona)
95	1928	Sliced bread invented	Otto Frederick Rohwedder (USA)
96	1927	Propose Big Bang theory	Georges Lemaître (Belgium)
96	1927	Quantum mechanics 5 th Solvay	Conference with 17 Nobel winners (Belgium)
97	1926	Burma Shave signs first used	Until 1963 (USA). Amusing ad campaign.
97	1926	The Universal One published	Walter Russell. United spiritual Cause and scientific Effect viewpoints.
98	1925	Sun is made of hydrogen & helium	Cecilia Payne (USA)
99	1924	Discover other galaxies exist	Edwin Hubble (USA)
100	1923	Scopes Monkey trial	Teaching evolution vs creationism.
100	1923	End of Armenian genocide	1.5 million killed by Ottoman Empire in 8 yrs.
101	1922	Death of Prince Kuhio	Hawaii Representative in Congress.
101	1922	Ottoman Empire ended	
101	1922	King Tut's tomb opened	Howard Carter
102	1921	Giant horns listen for aircraft	Before radar was invented. England.
107	1916	Franz Joseph I dies	Last monarch for Austria, Hungary, Bohemia.
108	1915	General relativity published	Albert Einstein (Germany)
108	1915	Robert Smalls dies	Civil rights leader
108	1915	Last stagecoach	Done in by buses

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110	1913	Menelik II rule ends	Ethiopia
110	1913	End of mailing children	United States postal service
110	1913	First Native American opera	"The Sun Dance Opera" by Zitkala-Sa
111	1912	Novarupta volcano erupts	Sent 3 cu miles of earth into air. (S. Alaska)
111	1912	Titanic ship sank	North Atlantic after hit iceberg.
111	1912	Last Chinese dynasty ended	Qing dynasty.
112	1911	Power lines still separate	Mess of above ground power lines Pratt, Kansas.
113	1910	Electric Detroit car	Range of 100 miles at 25 mph on electricity.
113	1910	First female millionaire	Self-made millionaire, Madam CJ Walker
114	1909	First person on North Pole	Matthew Henson. (USA)
114	1909	Tel Aviv lottery	To divide 12 acres of sand dunes (Israel)
115	1908	Pistol dueling sport	Summer Olympics, with wax bullets.
115	1908	Global wireless networking	Predicted in detail by Nikola Tesla.
115	1908	Electric washing machine invented	Alva J. Fisher (USA)
116	1907	Plastic invented	Leo Baekeland (USA)
117	1906	Coca-Cola invented	Dr. John Pemberton (Atlanta, USA)
117	1906	Almamy Suluku rule ends	Sierra Leone
118	1905	Special relativity published	Albert Einstein (Germany)
120	1903	Moose needles	Ojibwe tribe made needles from moose antlers
121	1902	Air conditioning	Invented by Willis Haviland Carrier (USA)
121	1902	Santa Maria erupts	After dormant 500 yrs. (Guatemala)
123	1900	Nietzsche dies	Friedrich Wilhelm Nietzsche, Weimar, Germany
123	1900	German Civil Code	Influenced Japanese, Swiss, and Greek legal codes
125	1898	Discover radiation	Marie and Pierre Curie (France)
127	1896	First Ford car	
128	1895	Ohio first car accident	The state had two cars.
130	1893	Last Hawaiian Queen	Queen Lili'uokalani overthrown by USA
131	1892	Diesel engine invented	Rudolf Diesel, Germany
131	1892	Dahomey Amazons gone	West Africa kingdom, all female military.
131	1892	Fingerprinting used in court	Inspector Eduardo Alvarez (Argentina)
132	1891	Toilet paper patented	Seth Wheeler
132	1891	King Kalakaua died	Kauai, Hawaii
133	1890	Ambulance	Horse drawn. St. Joseph, MO
133	1890	Analog phone invented	Thomas Edison (USA)
134	1889	Eiffel tower completed	For the World's Fair in Paris.
135	1888	Jack the Ripper	Scared London, murdered a few, never caught
136	1887	Esperanto invented	L. L. Zamenhof (Poland)
137	1886	Neuschwanstein Castle	Never finished, King Ludwig II of Bavaria

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137	1886	First Mercedes-Benz car	1899?
138	1885	Gas engine and carburetor	Invented by Gottlieb Daimler and Wilhelm Maybach, Germany
139	1884	First photo of a tornado	Anderson County, KS
139	1884	First production electric car	Phased out circa 1920 CE due to Henry Ford
140	1883	Mapuche people subjugated	Fought Spanish control for 300 years. South America, Chile and Argentina.
140	1883	Krakatoa erupts	Loudest sound in history; 140 ft tsunami. (Indonesia)
141	1882	Emmy Noether born, Erlangen	Algebra and physics genius. Germany.
141	1882	Spanish basilica finished soon?	La Basilica de la Sagrada Familia in Barcelona
141	1882	Charles Darwin died	Founder of evolution
143	1880	Carbon filament electric light	Thomas Edison (USA)
145	1878	Phonograph invented	Now called a record player. Thomas Edison (USA)
145	1878	Solar eclipse at Vassar, NY	Maria Mitchell, 1 st astronomy professor
146	1877	Telephone exchange invented	New Haven, CT
146	1877	Crazy Horse dies	Oglala Lakota chief, South Dakota. 9/5/1877
147	1876	Four stroke engine invented	Nikolaus A. Otto, Germany
147	1876	Scale armor made	For King Edward VII touring India
150	1873	Lahaina Banyan Tree planted	Survived fire in 2023 (Maui, Hawaii)
151	1872	Almamy Suluku rule begin	Ruler of Biriwa Limba (Sierra Leone)
152	1871	Germany first unified	Otto von Bismarck, Prime Minister of Prussia
152	1871	Samurai class ended	By the Haitōrei Edict, Japan
154	1869	Discover DNA	Friedrich Miescher (Switzerland)
154	1869	Periodic table invented	Dmitri Mendeleev (Russia)
155	1868	Last public hanging, London	England
157	1866	Liechtenstein last military act	Guarded Tyrolean border. Gained one man.
158	1867	Death penalty abolished	Portugal.
157	1866	Menelik II rule begins	King of Shewa 1866 to 1889 then Emperor of Ethiopia
158	1865	Abraham Lincoln died	Assassinated
158	1865	Juneteenth	The last slaves in Texas were emancipated.
160	1863	Scrapple first produced	Middletown Twp, PA
160	1863	Pedal bicycle mass produced	Invented by Philipp Moritz Fischer, Germany
160	1863	First subway (Underground)	London, England
162	1861	William Durant born	Founder of GM, Chevrolet, Frigidaire.
164	1859	24 bunnies freed in Australia	Became 2 million in six years.
166	1857	Propose the germ theory of disease	Louis Pasteur (France)
167	1856	Nikola Tesla born (Croatia)	Inventor of electromagnetic technology
170	1853	32-lb cannon designed	Standard broadside gun for British Navy
171	1852	Oldest person photo	Conrad Heyer, b. 1749, crossed DE river

Years Ago	Cal. Year	Event	Notes
173	1850	Trail of Tears ended	After 29 years and 125,000 Native Americans. Some give main dates as 1828-1838.
173	1850	Octobass invented	Two octaves below a cello
176	1847	Donner Party	Trapped in Sierra Nevada mountains, California
177	1846	Neptune discovered	Johann Gottfried Galle (Berlin)
179	1844	Last wife sale in Britain	Horsham, cost 30 shillings.
179	1844	Zheng Yi Sao died	She was best pirate in history. (China)
180	1843	Hawaiian Kingdom	Independence day
180	1843	Fax machine invented	Alexander Bain (Scotland)
181	1842	Discover dinosaurs existed	Richard Owen (England)
182	1841	Last chained library	Hereford Cathedral, England. Has been restored.
183	1840	First electric light bulb	Platinum coil in a vacuum tube. Warren De la Rue (UK)
184	1839	Oldest photo of a woman	
198	1825	Shaka Zulu rule ended	a.k.a. Sigidi kaSenzangakhona, King of Zulu kingdom
199	1824	Braille invented	Louis Braille (France)
199	1824	First fossil found	Megalosaurus in Oxfordshire, England.
200	1823	World population	1 billion. Early 19 th century.
202	1821	Napoléon Bonaparte dies	Saint Helena island
203	1820	Antarctica discovered	Russians Fabian Gottlieb von Bellingshausen and Mikhail Lazarev
206	1817	US School for the deaf	ASL Thomas Hopkins Gallaudet
207	1816	Shaka Zulu rule started	South Africa
208	1815	Mount Tambora erupts	Heard 1200 miles away (Indonesia)
210	1813	Tecunseh (Shawnee) died	Greatest Native American statesman.
211	1812	Sacagawea died	Lemhi Shoshone with Lewis & Clark explorers
213	1810	Chevalier d'Éon died	French diplomat, spy, and soldier, lived as woman and man.
213	1810	First wristwatch made	Abraham-Louis Breguet, France
213	1810	Hawaii unified	Under King Kamehameha I
219	1804	Discover atoms exist	John Dalton (England)
219	1804	Immanuel Kant dies	Königsberg, Germany (philosopher)
219	1804	Napoleonic Code	(France)
224	1799	Rosetta Stone found	Egypt by Napoleon's soldiers.
226	1797	Mary Wollstonecraft dies	Somers Town, London, UK. Early feminist.
230	1793	Prussian Civil Code	
233	1790	Philadelphia stock exchange	First in United States
234	1789	Rachel Wall hanged, Boston	First American-born woman pirate, last woman hanged in Massachusetts. Age 29
234	1789	Bastille stormed	France

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235	1788	First convicts to Australia	Landed on Botany Bay.
235	1788	Guillotine invented	By German Tobias Schmidt
242	1781	Takeda Pharmaceuticals	First pharmaceutical company. (Japan)
242	1781	Uranus discovered	William Herschel (London)
246	1777	Oneida natives helped feed	Geo. Washington at Valley Forge, PA
248	1775	Sybil Ludington and Wentworth Cheswell rode	The British are coming! She was age 16, rode 40 miles. That Paul Revere guy did too.
251	1772	King Alfred Tower completed	Folly tower in Brewham, Somerset, UK
256	1767	Ayutthaya, Siam capital	Since 1350 CE
270	1753	End of Early Modern Era	Start of the Modern era
272	1751	Great Heidelberg Tun, oak	Wine vat, had 221,726 L capacity. Germany.
293	1730	Copiale Cipher written	By Great Enlightened Society of Oculists, founded by Count Friedrich August von Veltheim. Code broken in 2011.
298	1725	Peter I dies	Tsar then Emperor of Russia for 43 years
300	1723	Buffalo still east of MS	Mississippi River
301	1722	Black Bart pirate died	Welsh. Captured over 470 vessels in 3 years. Bartholomew Roberts.
305	1718	Blackbeard pirate died	Edward Teach, Ocracoke Island, NC
308	1715	Louis XIV dies	King of France for 72 years.
317	1706	Only Virginia witch trial	Grace White Sherwood survived dunking, d. 1740
319	1704	John Locke dies	High Laver, United Kingdom (philosopher)
323	1700	Charles II of Spain died	End of Hapsburg Spain. Massive inbreeding.
336	1687	Gravitation laws published	<i>Philosophiæ Naturalis Principia Mathematica</i> , Isaac Newton (England)
339	1684	Palace of Versailles	Gallery of Mirrors finished. France.
359	1664	British took New Amsterdam	From Dutch, now Wall St in New York.
360	1663	First magazine published	Erbauliche Monats-Unterredungen, Hamburg, Germany.
373	1650	Rene Descartes dies	Stockholm, Sweden (philosopher)
378	1645	Matthew Hopkins, witchfinder	Accused 300 people in England.
380	1643	Book of Five Rings	Written by Miyamoto Musashi, Samurai
381	1642	Isaac Newton born	UK
383	1640	Oldest condom	From pig intestines, found in Lund, Sweden
387	1636	Harvard University founded	Cambridge, MA
400	1623	World population	550 million
404	1619	Laws of planetary motion	Completed after 10 years, Johannes Kepler, (Germany)
412	1611	First stock exchange	Amsterdam, Netherlands
413	1610	Queen Amina of Zaria died	Now Nigeria. Considered a warrior queen.
418	1605	Akbar dies	Mughal Emperor of India for 50 years

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421	1602	Tachibana Ginchiyo died	Head of Japanese Tachibana clan and onna-musha warrior during the Sengoku period.
421	1602	Oxford library opened	Bodleian Library. Magna Carta lives here.
423	1600	Giordano Bruno dies	Italian burned for claiming stars are also suns.
423	1600	Huaynaputina erupts	Largest S American volcano (Peru)
430	1593	Fort Bourtange built	During 80 years' war, Netherlands.
433	1590	Discover gravity	Galileo Galilei (Italy)
440	1583	Giocangga died (NE China)	May have 1.5 million descendants
441	1582	Oda Nobunaga died	Unified Japan, military commander.
441	1582	Switch Julian to Gregorian calendar	October 5-14 did not exist this year.
443	1580	Battle of Senbon Matsubaru	30% of warriors were women. Japan
448	1575	Oldest UK four-poster bed	Sir Ratcliffe. Lancashire, England.
452	1571	Hochosterwitz Castle built	Near Sankt Georgen am Langsee, Austria. Still family owned.
467	1556	Charles V dies	Holy Roman Emperor, ruler of Austria, Spain, and Burgundy/Netherlands. Head of House of Habsburg.
470	1553	Golf at St Andrews	Scotland home of golf
475	1548	Female self-portrait painted	Catharina van Hemessen, Spain.
490	1533	Inca empire conquered	Spaniard invasion by Francisco Pizarro
491	1532	Sunni Ali rule ends	Also known as Si Ali, Sunni Ali Ber.
498	1525	Askia Muhammad I rule ends	First ruler of the Askia dynasty of the Songhai Empire
502	1521	Aztec empire collapsed	In the Valley of Mexico.
502	1521	Aztec Sun Stone completed	First buried in Zocalo, Mexico City.
504	1519	Ferdinand Magellan	Opened trade route with East Indies. Did first world circumnavigation.
511	1512	Sistine Chapel ceiling fresco	Completed by Michaelangelo, Vatican City.
511	1512	Imperia Cognati died	First celebrity courtesan. (Italy)
519	1504	David of Michelangelo done	17 foot marble statue, Florence, Italy
519	1504	Oldest globe c new world	Made from two ostrich egg bottoms
523	1500	Easter Island statues finished	By the Rapa Nui people over 250 years.
523	1500	Pieta sculpture finished	Michelangelo, of Carrara Marble in 2 years.
524	1499	William Weston sailed	Bristol Discovery voyage to Newfoundland, Labrador.
530	1493	Askia Muhammad I rule began	West Africa
531	1492	Christopher Columbus	Stumbled across the Bahamas, Cuba, Hispaniola
531	1492	Moors left Spain	After 781 years.
547	1476	Death of Vlad the Impaler	Wallachia, Romania. Inspired Dracula.
559	1464	Sunni Ali rule begins	First king of the Songhai Empire, (Nigeria)
567	1456	Golf banned in Scotland	By King James II due to excessive popularity.

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570	1453	End of Renaissance period	Start of Early Modern Era
570	1453	Fall of Constantinople, end of Roman Eastern Empire	After Ottoman army siege, Sultan Mehmed II
573	1450	Easter Island tablet	Wood, written in rongorongo script, Rapa Nui
573	1450	Meteorite with grave	2300 kg, N Mexico, Mongollon culture.
574	1449	Mons Meg cannon	20" barrel, weighed 6 tons, fired 150 kg stone. Given to James II of Scotland.
577	1446	Largest fan vault church	King's College Chapel, England.
585	1438	Aztec empire founded	Capital of Cusco. Tenochtitlan had 200k people, canals, huge temples. (1428?)
587	1436	Printing press, Europe	German goldsmith Johannes Gutenberg
589	1434	Gil Eanes (Portugal)	Found a sailing route around Cape Bojador, W Africa
590	1433	Zheng He dies	Chinese explorer of Asian coasts, Ming dynasty
592	1431	Joan of Arc dies	Burned at stake at age 19.
608	1415	Jan Hus burned at stake	For criticizing the Catholic Church like Luther
613	1410	Astronomical clock	Installed in Prague, still works.
623	1400	Cahokia city ends	Monks Mound, near Collinsville, IL
634	1389	Mausoleum started by Timur	For Khawaja Ahmed Yasawi in Turkestan, Khakhstan. Never completed.
637	1386	Duomo of Milan, Italy started	Cathedral at peak of gothic architecture.
643	1380	Helmet of Hans Rieter	Kornburg, Bavaria, Germany. Date approx.
648	1375	Medieval Atlas	Europe and N Africa. No latitude/longitude.
648	1375	Black Death slows	But continued until late 17 th century AD (325 YA)
650	1373	World population	370 million, after the Black Death.
675	1368	Fall of Yuan Dynasty	Under Kublai Khan.
662	1361	Battle of Visby	Swedes vs Danish
664	1359	Jeanne de Clisson died	French pirate, Lioness of Brittany, husband killed wrongly for treason. Attacked UK,
673	1350	Mountaineer's bronze axe	Muromachi period, Japan. Heart-shaped holes.
673	1350	Gauntlet found	Kyburg Castle, Pfaffikon, Switzerland
673	1350	Polish castle built	Ogrodzieniec Castle
675	1348	Black Death starts	England. Later killed 30% of Europe.
678	1345	Aztec civilization starts	
686	1337	Death of Mansa Musa	Richest person ever. Ruler of Mali Empire.
694	1329	Robert I the Bruce died	Led Scots vs English for independence
700	1323	Moveable type printing	Korea
700	1323	Aztec empire started	Founded Tenochtitlan, now Mexico City
718	1305	William Wallace died	Braveheart resistance fighter. First War of Scottish Independence.

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720	1303	End of Middle Ages	Start of 14 th century. Start of Renaissance.
720	1303	Egypt earthquake	Broke limestone layer on pyramids.
723	1300	Europe economy stronger	15 cities with population of 50,000 or more
723	1300	Maori settle Aotearoa	Now known as New Zealand.
725	1298	First mass produced book	<i>Nung Shu</i> in China
732	1291	Crusades end	The Fall of Acre
733	1290	University of Coimbra founded	Still in operation. Portugal.
750	1269	Moa went extinct	New Zealand.
752	1271	Marco Polo goes to Cathay	(China) Returned after ~24 years.
754	1269	Weather report	Oxford report of frost activity
768	1255	Sundiata Keita rule ends	Emperor and founder of the Mali Empire.
770	1253	Cistercian monk number	Single character system for 1 to 9999.
770	1253	Lost Egyptian city	Now underwater in an 84,000 yr old crater
771	1252	Polar bear gifted to London	From King Haakon IV (Norway) to Henry III.
773	1250	Arizona bajada canals made	Used ~200 years for water.
773	1250	Sunstone cited Iceland	Calcite crystal to find sun position through clouds. Possibly Norse 11 th C.
773	1250	Ananta Vasudeva temple built	Hindu temple to Krishna. Bhubaneswar India
773	1250	Palmyra castle built	Homs, Syria. Also called Tadmur castle.
781	1242	Fenis Castle started, N Italy	Expanded through 1420.
781	1242	Golden Bula written	King Bela IV freed Zagreb city, Croatia.
788	1235	Sundiata Keita rule begin	
796	1227	Genghis Khan dies	Khagan of the Mongol Empire. Estimated to have 16 million descendants.
796	1227	Grave of Khan?	Khan Khentii (Mongolia) may be Genghis Khan's grave
800	1223	Inca civilization starts	
803	1220	Samarkand destroyed	By Mongols, now Uzbekistan
810	1213	Queen Tamar the Great died	Georgia's golden age.
823	1200	Muslims in Sweden	Ring "for Allah" found Birka, Sweden grave
823	1200	Pueblo petroglyphs	Geometric shapes, hunting scenes. Castle Rock settlement, SW USA
832	1191	King Richard the Lionheart	Used chains of silver for Cyprian ruler, so not put him in irons.
844	1179	Chateau de Montbrun started	Brun after the Second Crusade. Richard the Lionheart died there. Aquitaine, France
850	1173	First New Zealanders	Last major landmass to have people
850	1173	Burg Eltz family arrives	They still own it. (Germany)
863	1160	Death of King Eric IX	Sweden. His skull and crown exist.
873	1150	11 Lalibela churches	Carved in Ethiopian rock.
878	1145	Viking door St Helen's Church	Yorkshire, England.
883	1140	Weinsberg foiled German king	Carried husbands on back to escape siege.
883	1140	Cambuskenneth Abbey start	Bell tower still survives. Stirling, Scotland.
884	1139	Portugal borders defined	Still the same!

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923	1100	Dresden Codex, Mayan book	Pages of ficus bark with hieroglyphs
927	1096	Oxford University founded	Oldest University in Europe. (England)
928	1095	Crusades start	
936	1087	William I dies	First Norman king of England, rule after 1066 AD
947	1076	Tunka Manin rule ends	Ghana Empire
954	1069	Old Sarum Castle built	Wessex, England near Salisbury
957	1066	Battle of Hastings, end of Anglo-Saxon tribes	Anglo-Saxon King Harold Godwinson lost to William, Duke of Normandy
961	1062	Tunka Manin rule begins	Last ruler of Ghana Empire (Wagadou)
970	1053	Moveable type printing	China, Bi Sheng's printing press.
973	1050	Viking well	Dublin, Ireland.
979	1044	First gunpowder recipe	China
983	1040	Oldest beer brewery still used	Weihenstephan Abbey, Bavaria, Germany
987	1036	Horn of Ulf Toraldsson	Elephant tusk carved by Islamic men in Salerno, Italy
1000	1023	Kee Monastery founded	India, 13,668 ft above sea level.
1000	1023	Ducks domesticated	
1002	1021	Norse in L'Anse aux Meadows	Newfoundland settlement
1002	1021	Propose the scientific method	Ibn al-Haytham (now Iraq)
1017	1006	End of Kingdom of Khotan	1000-year Buddhist Saka, now Xinjiang China
1023	1000	Viking spear with runes	Gotland, Sweden. Owned by Runi.
1023	1000	400 Camel library	Grand Vizier Persia, Abdul Kassem Ismael had 117,000 books carried alphabetically.
1023	1000	Baitoushan Volcano erupts	Formed 3-mile-wide caldera (N Korea/China)
1030	993	Viking axe head found	Denmark
1038	985	Greenland settled by Vikings	Eastern and Western Settlements. Gone by 1450s CE.
1038	985	Viking longship built	Hedeby I near Jutland Peninsula, Germany.
1043	980	Trelleborg Viking fortress built	Four similar ring fortresses nearby. Denmark
1061	962	Imperial Crown of HRE made	Holy Roman Empire.
1063	960	Olga of Kyiv died	Fierce eastern European leader.
1073	950	Fire lance invented (China)	First gunpowder weapon
1073	950	Woolen knit sock, nalebinding	Found Coppergate, York, England, likely made in Scandinavia.
1073	950	Sword of Grossenwieden	Maybe made at Ulfberht, Germany.
1073	950	Viking sword found	Oxfordshire, England
1093	930	Rollo, first Normandy ruler	N France. From King Charles the Simple.
1100	923	Boots found, seamstress?	Altai Mountains of Mongolia
1100	923	Maya civilization ends	
1103	920	Greenland discovered	Gunnbjörn Ulfsson, first European to do so
1123	900	Sacsayhuamán founded, Peru	Huge stone walls built by Incas in 1400s CE
1123	900	Ice cream invented	Tang Dynasty emperors, China.
1149	874	Vikings in Iceland	Iceland founded.

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1155	868	Woodblock printing	China, The <i>Diamond Sutra</i>
1158	865	England invaded	By Viking Army
1164	859	University of Al Quaraouiyine founded	First University, in Fez, Morocco. Founded by a woman.
1170	853	Gunpowder invented	China
1173	850	Horse anatomy	Arabic manuscript
1173	850	Viking intricate gold artwork	Denmark.
1173	850	Viking shoe in Oseberg ship	SE Norway.
1173	850	Viking sword found	River Cherwell, Oxfordshire, England
1173	850	Viking graffiti	"Halvdan" on Hagia Sofia marble slab.
1178	845	Vikings defeat French	King Louis had 10:1 advantage
1200	823	Thonis rediscovered	Egyptian city underwater
1200	823	World population	220 million
1204	819	Charlemagne dies	King of the Franks. Carolingian Empire.
1223	800	Seasonal Vikings	In Iceland.
1223	800	Kaupang founded, Vikings	Trading center and first town, Norway
1224	799	Palenque city-state, Mexico	Chiapas state. Started 226 BCE. Mayan.
1230	793	Start of Viking Age	
1253	770	Kailasa Temple, India	Carved in one basalt rock, dedicated to Rashtrakuta king Krishna I. Largest monolith.
1253	770	Holstein mentioned	Saxon tribes noted in northern Germany by Charlemagne, until 12 th century.
1273	750	Skull fragment amulet, runes	Ribe, Denmark
1273	750	Danish Viking town	Aros, now Aarhus.
1300	723	German armored warrior	Merovingian warrior found Ingelheim, Germany
1304	719	King Redbad dies	King of Frisians (Netherlands), refused Christianity.
1311	712	Mali trade with America	Prince Abubakari II knew America existed
1312	711	Moors take over Spain	
1318	705	Oldest hotel still used (Japan)	Near Mt Fuji, family run for 52 generations.
1323	700	Anglo-Saxon silver coins trade	Byzantine silver then French. 7000 coins.
1351	672	Greek Fire invented	By Byzantine Empire
1363	660	Descent of the Ganges carved	Honors Narasimha Varman I. Now called Mamallapuram. 15x30 m relief carving.
1369	654	Colossus of Rhodes fell	
1400	623	Greek empire fell	
1400	623	Bamburgh castle, England	Northumberland Anglo-Saxon fortress.
1400	623	Huge cemetery started	Shi'ite city of Najaf, Iraq. 5 million buried
1423	600	Pictish cross carved, Scotland	Old Kilmadock cemetery, Ogham script
1470	553	Code of Justinian	Roman law codified
1471	552	Old Sarum Castle (hill so far)	Captured by Cynric, King of Wessex
1473	550	Celtic princess grave	200 kg bronze vase, silver & bronze stuff, Vix, France

Years Ago	Cal. Year	Event	Notes
1473	550	Complete arrow found	Lillehammer, Norway
1486	537	Hagia Sophia built	Mosque, former church, Istanbul, Turkey.
1487	536	Huge cloud	Darkened S Europe, N Africa, and W Asia.
1500	523	Ceramic figure	W removable helmet, Peten Guatemala
1500	523	Stone coffin w man and armor	Kagoshima Prefecture, Japan
1500	523	Byzantine basilica	In Lake Iznik, near Nicaea, Turkey
1523	500	Last Nazca Lines made	Nazca Desert, Peru. Started 500 BCE.
1523	500	Silver Anastasius Platter	For Emperor Anastasius I, Constantinople.
1523	500	Gwalior Fort built	Madhya Pradesh, India. Has 2 palaces.
1533	490	Sigiriya Lion Rock fortress	Made on a 200-m high rock tower, by King Kasyapa
1550	473	Odin first mention	Pendant in Denmark mentions Norse god.
1550	473	Roman empire fell	Start of the Middle Ages
1570	453	Attila the Hun dies	
1573	450	Armenian capital Ari	Hugely influential for millenia
1573	450	Przeworsk culture	Iron age people died off S Poland.
1592	431	Ilopango Volcano erupts	Destroyed early Mayan cities (El Salvador)
1600	423	Lead sling bullet	Inscribed Catch!, Greece.
1600	423	World population	200 million
1608	415	Hypatia murdered (Egypt)	Philosopher, mathematician, scientist
1613	410	Rome sacked	By Visigoths
1622	401	Temple of Artemis destroyed	
1628	395	Roman Empire split	Into Eastern and Western Empires.
1663	360	Ezana of Axum	Kingdom of Aksum, now Eritrea and Ethiopia
1673	350	Huge Roman mosaic floor	Villa Romana del Casale, Sicily, Italy.
1673	350	Christian burial in Armenia	City of Agarak.
1673	350	Silver plate	Sasanian king hunting boar, Kercheva, Russia. Iranian empire.
1673	350	Roman dice tower	Tirricula found Vettweis, Germany
1686	337	Constantine I dies	First Christian Roman Emperor, abolished crucifixion
1698	325	Intact egg found	Aylesbury, UK. Chicken egg.
1699	324	Constantinople founded	Roman emperor Constantine I
1700	323	Castrum in Aachen, Germany	Roman built to protect the city.
1703	320	Start Ptolemaic dynasty	Egypt
1703	320	Ezana of Axum, Africa	First king to convert Christianity
1723	300	Mounds in Amazon	Urban network 500 BCE to 600 CE Upano Valley
1723	300	Mosaic of Greek poet Arion	Villa Romana del Casale, Sicily.
1748	275	Library at Alexandria gone	Started destruction 2168 YA. Burning ended 275 AD
1751	272	Queen Zenobia of Syria	Palmyrene Empire. Declared independence from Rome, spent life in exile.
1753	270	St Valentine executed	Rome, Italy

Years Ago	Cal. Year	Event	Notes
1763	260	Triumph of Shapur I	Sculpture in Naqshe Rostam, Iran
1773	250	Oldest Roman flag	Vexillum. Now in Russia
1773	250	Roman horse armor	Dura-Europos, Syria. Iron and linen.
1773	250	Oldest Roman scutum	Shield in Dura-Europos, Syria.
1773	250	Pueblo carving people	Of warriors and shamen, SW USA, Basketmaker era.
1800	223	Silly ceramic horse	Han Dynasty, Sanxingdui Museum.
1800	223	Maya civilization begins	
1803	220	Triumphal Roman arch	Viminacium, town of 45,000, Serbia
1827	196	Roman gold horde	Trier, Germany, 2516 coins, 18.5 kg
1830	193	Roman Empire on auction	By Praetorian Guard after murdering emperor.
1830	193	Year of Five Emperors	Rome, Italy.
1858	165	Roman Empire population	75 million.
1863	160	Hand of Hercules statue	Amman, Jordan. A 40-ft tall marble statue.
1873	150	Male lovers painting	Antinoopolis, Egypt. Tondo of the Two Brothers.
1873	150	Barbegal watermill complex	Milled 25 tons of flour per day. Arles, France
1873	150	Iron knife w runes	Oldest runes in Denmark, Odense. Proto-Norse language
1873	150	Preclassic Maya ends	Northern Guatemala, MCK Basin
1881	142	Antonine Wall started	North of Hadrian's Wall
1895	128	Zaghouan-Carthage Aqueduct	Date? 132 km long. Tunisia.
1897	126	8.5 ton bronze doors	Pantheon of Rome. Lock still works.
1900	123	Library rules defined	Athenian Library of Pantainos, Greece
1900	123	Pantheon dome	Largest concrete dome, Rome, Italy.
1901	122	Hadrian's Wall started	Northern England, 73 miles long
1913	110	Roman aqueduct	Segovia, Spain, still stands
1918	105	Papermaking invented	China. Cai Lun during the Han dynasty
1923	100	Roman leather bikini bottom	Queen Victoria St, London, UK
1936	87	Romans bury nails	875,400 iron nails kept from Caledonian tribes after Roman withdrawal from Scotland
1944	79	Pliny the Elder died	Roman who documented Germanic Vandals (now S Poland)
1944	79	Mount Vesuvius erupts	Covers Pompeii and Herculaneum. Roman paintings and mosaics buried.
1950	73	Circus Maximus done	Held 150,000 people for <i>ludi</i> games Rome
1952	71	Thracian Spartacus	Roman uprising, 6k followers crucified.
1952	71	Roman military diploma	Given for end of service.
1963	60	Celtic revolt v Romans	Led by Queen Boudica. Lost but killed 70k.
1973	50	Colosseum built	No mortar, keystone bricks. Rome.
1973	50	Ambrym Island erupts	Caldera 7.5 miles wide created. (Vanuatu)
1978	45	Hippalus the explorer	Discovered monsoon winds, improved trade from Red Sea to southern tip of India.

Years Ago	Cal. Year	Event	Notes
1990	33	Jesus executed	Judean philosopher
2000	23	Turkeys domesticated	
2000	23	Copper coins in tomb	Liu He, 10 million coins, Nanchang China
2000	23	Green serpentine mask	Pyramid of the Sun, Teotihuacan, Mexico
2000	23	Oldest Australian pottery	Found near Great Barrier Reef, Jiigurru.
2000	23	Shield maiden relief	Geto Dacian from Trajan's Forum, Rome
2000	23	Roman public library	Found in Cologne, Germany (Köln)
2000	23 CE	Broccoli created	From cross breeding cabbages.
2033	10 BCE	Queen Amanirenas died	Also considered Nubian.
2036	13	Holy Crypt of Necromanteion	Acheron, Greece. Dedicated to Hades and Persephone.
2048	25	Queen Amanirenas v Rome	Queen of Kush, fought Roman invasion in Meroitic War (now Sudan)
2048	25	Great Pyramid started	Took 27 years. 455' tall. Egypt.
2050	27	Roman Empire founded	
2053	30	Cleopatra VII died	After ruling 21 years, last Ptolemaic dynasty.
2054	31	Famine Stela 7 year drought	During Pharaoh Djoser, on Sehel Island Egypt
2066	43	Cicero complained about kids	Don't obey parents, everyone writes a book.
2067	44	Julius Caesar killed	Et tu, Brute?
2085	62	Pons Fabricius built	Oldest original bridge in Rome
2096	73	Roman 70-slave revolt	At Lentulus Batiatus gladiator school.
2123	100	Houndstooth cloak made	Sweden. (Iron Age)
2123	100	Eudoxus of Cyzicus dies	Explored Arabian Sea for Ptolemy VIII (Egypt)
2173	150	Astrolabe invented	Apollonius of Perga, Greece. Sextant precursor.
2173	150	Signed floor mosaic	Palace V of Acropolis, Pergamon, Turkey
2200	177	First prosthetic leg	Turpan, China
2205	182	Hannibal poisoned	
2208	185	Greek bronze shield	Made in Pontis
2219	196	Rosetta stone written	During King Ptolemy V, Egypt.
2223	200	Cippus Perusinus written	Etruscan text stone tablet, Perugia, Italy
2230	207	Last ancient Chinese dynasty ended	Qin dynasty under Qin Shi Huang; basis for "China". Great Wall under way.
2232	209	Terracotta Warriors created	For Emperor Qin Shi Huang, near Xi'an, Shaanxi, China. Found in 1974.
2240	217	First gingerbread men	For Saturnalia in Rome
2244	221	Hannibal becomes commander	Carthaginian general, famous for elephants
2255	232	Ashoka the Great dies	Third Mauryan Emperor of Magadha, India
2263	240	Earth circumference measured	By Eratosthenes of Cyrene (Greece)
2273	250	Pi value refined	Archimedes, Greece
2300	277	Compass invented	China, during Warring States period.
2300	277	Worn stairs	Temple of Hathor, Egypt

Years Ago	Cal. Year	Event	Notes
2300	277	Plush bird	Felt body, reindeer fur, Altai Mtn, Siberia
2323	300	Oldest abacus	Found in Greece, the Salamis Tablet
2323	300	Petra city founded	Capital of Nabatean Kingdom, Jordan
2335	312	Appian Way built	Road in Rome, Italy.
2343	320	Servian Wall built	Rome, Italy. 11 km long.
2345	322	Aristotle dies	Euboea Island, Greece (philosopher)
2346	323	Temple to Alexander	Girsu, Iraq now Tello
2346	323	Alexander the Great dies	Macedonia. Ancestor of present-day Macedonians.
2350	327	Egyptian civilization ended	Due to Alexander the Great.
2352	329	Samarkand conquered	By Alexander the Great in Uzbekistan
2353	330	End of Achaemenid Empire	After 220 years. Capital Persepolis, Iran.
2354	331	Battle of Gaugamela	Near Dohuk, Kurdistan. Alexander defeated Persian Darius III.
2370	347	Plato dies	Athens, Greece (philosopher)
2370	347	Greek sling stones	Found in Athens, inscribed DEXAI
2373	350	Stadium at Oracle at Delphi	Seated 30,000. Parnassus, Greece
2373	350	Bronze Phrygian helmet	Phrygia, Anatolia.
2373	350	Hydraulic telegraph invented	By Aeneas of Stymphalus, Greece
2375	352	Death of King Ervand I	Armenia. Coin minted in Adramyteion.
2383	360	Aphrodite Eros pottery	Stamnos from Tarantas, S Italy
2383	360	Sarcophagus of the Mourning Women	18 carved figures & Ionic columns. Sidon, Lebanon.
2400	377	Tollund Man	Found in marsh in Denmark
2400	377	Tattooed mummy	Siberian Ice Maiden, Ukok plateau, Russia
2422	399	Socrates dies	Athens, Greece (philosopher)
2423	400	Olmec people died off	Influenced Aztecs and Maya, made rubber. Existed 800 years.
2423	400	Etruscan bronze helmet	Negau helmet, from Negova, Slovenia.
2445	422	Death of Brasidas	Spartan general, Amphipolis, Greece
2453	430	Death of Lucius Quinctius Cincinnatus	Roman absolute ruler quit after 16 days to return to farming. Cincinnati named for him.
2472	449	End of Greco-Persian wars	Greek city-states vs Achaemenid Empire
2473	450	Reliefs of people	Tartessian culture, Badajoz, Spain
2473	450	Amazon tales from nomads	Eurasian nomads had strong sexual traits
2473	450	Corinthian helmet	Taman Peninsula, SW Russia.
2473	450	Olympia built	Zeus temple, Greece
2479	456	Playwright Aeschylus died	Father of tragedy. Died by tortoise dropped on his bald head. Athens, Greece.
2500	477	World population	100 million
2500	477	Pants invented (Greek)	
2500	477	Geto-Dacian gold	Spiral bracelets from Sarmizegetusa Regia sanctuary, Romania
2500	477	First team sport	Polo, in Persia. Yes on horses.

Years Ago	Cal. Year	Event	Notes
2500	477	Polyxena sarcophagus	Daughter of Troy king Priam, Biga, Turkey
2500	477	Oldest carpet	Pazyryk Carpet from Altai Mtns. China/Russia border
2500	477	First dictionary	Warka, Uruk. Mentions Ishtar.
2502	479	Battle of Plataea	Greeks defeated Persians outnumbered 3:1
2502	479	Confucius dies	
2503	480	Spartans vs Persia	Leonidas I vs Xerxes I. Battle of Thermopylae.
2506	483	Siddhartha Gautama Buddha died	Founder of Buddhism in NE India.
2510	487	Ostrakon of Megacles (Greece)	Son of Hippocrates. Pottery shard basis for word ostracize.
2513	490	Ganjnameh carved, Iran	For Achaemenid King Darius the Great and son King Xerxes the Great, in cuneiform Old Persian, Neo-Babylonian, and Neo-Elamite.
2513	490	Battle of Marathon	Greeks defeated Persians
2513	490	Pheidippides first marathoner	Ran to Athens, inspired 1908 Olympics
2523	500	First images of kyudo	Samurai archery
2523	500	World map (Mediterranean)	Hecataeus of Miletus. (Greece)
2523	500	Scythian khan died	Mummy found Tuva, Siberia.
2527	504	Redwood tree sprouted	Boy Scout Tree, California
2531	508	Athens democracy	Written by Cleisthenes
2548	525	End of Egypt kingdoms	Third (last) Intermediate Kingdom.
2548	525	Battle of Pelusium, Egypt	Achaemenid Empire vs Egypt. Former used cats to prevent Bast offenses.
2550	527	Bronze Age ends, Europe	Only 1200 years ago in Scandinavia.
2553	530	Crotone medical school, Greece	Best doctors in west, followed science
2553	530	Cyrus II dies	Founder of Achaemenid Empire, first Persian empire. His tomb still stands.
2562	539	Nabonidus dies	Last Neo-Babylonian Empire ruler
2569	546	Theano born	Wife of Pythagoras, scientist (Greece)
2573	550	Queen Atossa born	Daughter of Cyrus the Great, Persian empire
2573	550	Etruscan war chariot	Monteleone chariot. Roman.
2573	550	Music theory started	Greece. Later see Aristoxenos.
2573	550	Temple of Artemis	Started near Ephesus, Greece
2583	560?	First world map	Anaximander of Miletus, Greece.
2593	570	Wahibre Haaibre dies	26 th dynasty Egyptian pharaoh. A stele was found near Ismailia, 91x41x18"
2600	577	Etruscan dentures	Made of gold and animal teeth?
2600	577	Captives of Phaleron	Mass grave near Phaleron, Greece
2603	580	Artemis temple	Stone doric style, Corfu, Greece
2610	587	Babylonian King Nebuchadnezzar	Conquers Jerusalem
2623	600	Hybrias the Cretan	Greek poet in the skolion style.

Years Ago	Cal. Year	Event	Notes
2630	607	End of Assyrian empire	Persian capital of Nineveh burned
2640	617	Draco laws written, Greece	Basis for term draconian.
2650	627	Roman empire started	
2666	643	Rassam cylinder, Neo-Assyrian	King Ashurbanipal, Nineveh, Iraq. Describes his reign in cuneiform.
2673	650	Assyrian man with mastiff	Relief carving, Nineveh, Assyria.
2680	657	Byzantium/Constantinople/	Istanbul founded, Turkey
2693	670	Trojan horse on vase	Terracotta in Mykonos, Greece
2700	677	Egyptian dental care	Bound teeth with gold wire and plates.
2700	677	Chinese marijuana	Found in Yanghai Tombs, Gobi Desert.
2723	700	Earliest Paracas skulls, Peru	Deformed baby skulls sign of nobility
2723	700	Nubian pyramids	Sudan. Conquered Egypt parts, fought Arabs
2728	705	Iamassu statue	Winged human-headed bull, Khorsabad, Iran
2729	706	Stone relief of horses	Palace Dur Sharrukin, Assyrian King Sargon II
2743	720	Cumae, Italy founded	Home of prophetess Sibyl.
2745	722	Sargon II overthrew brother	King of the Neo-Assyrian Empire to 705 BCE
2750	727	Optical lenses invented	Nimrud lens in Assyria. Fire starting, magnification.
2773	750	Oracle at Delphi founded	Pythia. Some say 1400 BCE. (Greece)
2780	757	Founding of Rome	
2800	777	First Olympics	The stade, a 210 m running competition
2800	777	Greek alphabet	Added vowels to Phoenician alphabet
2873	850	Phoenician ivory panel, Iraq	Man eaten by lioness. Nimrud, Mesopotamia
2878	855	Shamash sun god tablet	Babylonian king Nabû-apla-iddina with cuneiform Found Sippar, Babylonia.
2900	877	Golden Cone made	Ezelsdorf-Buch, Germany. Covered in astronomical symbols.
2900	877	Olive tree still alive	Vouves, Crete
2900	877	Greek empire started	
3000	977	First diver depicted	Assyrian soldier using goat skin bag.
3000	977	Priestess Henut Tau	Traces of cocaine, hash, tobacco (Egypt)
3000	977	German Bronze Age sword	Nordlingen, Bavaria.
3000	977	World population	50 million
3000	977	Caral, Peru	Oldest city in Americas.
3000	977	1-hump camels domesticated	Dromedary
3020	997	King David captures Jerusalem	
3023	1000	Pavlopetri city ends	Submerged off Laconia, Peloponnese.
3024	1001	Silver coffin	Sarcophagus for King Psusennes I, Egypt
3175	1152	First labor strike	Egyptian pyramid craftsmen
3200		Heracleion founded	Egyptian city was major port, found 2000 CE
3200		Olmec empire started	Precursor to the Aztecs
3200		Inca civilization started	Famous for Machu Picchu.
3200		Ramesses II statue	Temple of Ptah near Memphis, Egypt

Years Ago	Cal. Year	Event	Notes
3200		Theater of Dodona	Epirus, Greece. Oracle for Zeus, Dione.
3200		Iron Age started	Iron Age started c 2600 YA in some places. End of Bronze Age
3200		Chinese coin money	Mostly copper or silver
3200		Underground city started	Housed 20,000 people Derinkuyu, Turkey
3200		Arkadiko bridge done	Oldest arch bridge still used. Argolis, Greece.
3200		Trojan civilization ends	Trojan war.
3200		First chemist	Babylonian Tapputi Belatekallim made perfume
3203		Hittite empire ends	Sphinx Gate in its capital, Hattusa (Turkey)
3236		Ramesses II dies	Egyptian pharaoh, third ruler of the Nineteenth Dynasty
3250		Treasury of Atreu or Tomb of Agamemnon	Largest beehive tomb, Mycenae, Greece.
3267	1244	Abu Simbel temples complete	Lake Nasser, Egypt. Honors Ph. Ramesses II
3300		Horse yoke found	Este, Italy, first Bronze Age settlement nearby.
3300		Hair intact on Egyptian	
3300		Bronze sword Germany	Buried with 3 people, in Nordlingen, Bavaria.
3300		End of Hittite empire	Capital in Hattusa, Turkey. Buklukale invasion
3300		Oldest European battle	Tollense valley, Germany, 4000 warriors fought
3346		King Tut died	
3350		King Tut sandals	Wood w bark, leather, gold foil
3361		Queen Tiy died	Mom of Akhenaten, grandma of King Tut
3400		Painter's palette found	Egypt
3400		Luxor (Thebes) temples built	E bank of Nile, Egypt
3400		Greek language described	In a Linear B clay tablet
3400		Dagger described	Amarna Letters, dagger from meteorite given to Amenhotep III
3416		Moses born	In Egypt, per Judaic records.
3424		Dog mummy	Pet of Pharaoh Amenhotep, Egypt
3448		Gold pendant	Hawk holding snake in talons, Egypt.
3450		Artist paint palette box	Vizier Amenemope (Egypt)
3473		Fresco gathering saffron	Minoan Civilization, Santorini
3500		Iron discovered	
3500		Go to Land of Punt	Queen Hapshepsut ordered voyage. Shown in relief Deir el-Bahri, Luxor.
3500	1473	Bread found, Egypt	Tomb of Hatnefer and Ramose, Thebes
3500		Latin alphabet foundation	Phoenicians 22 consonant symbols for sounds.
3500		First fried chicken!	Luzon, Philippines. Green Jungle fowl in coconut oil.

Years Ago	Cal. Year	Event	Notes
3500		Deadly dodgeball	Mesoamerican game to dunk a ball, 5 person teams.
3500		Volcano footprints	Monte Somma, nr Vesuvius, Naples, Italy
3500		Bronze tautusiai axes	Found near Kociewie, Poland
3600		Rubber ball found	From Olmec in El Manati, Mexico
3600		Stone cooking skewer support	Santorini. Basis for souvlaki?
3600		Trojan civilization started	Mycenaean civilization
3600		Minoan civilization ends	
3600		Hittite empire starts	Anatolia region of Turkey.
3623		Nebra Sky Disk	Oldest star map, Germany.
3633		Mount Thera erupts	4-5 times bigger than Krakatoa. (Santorini, Greece)
3670		Babylonian irrigation	Canals and irrigation of Euphrates river
3670		Last woolly mammoth dies	
3673		Cuneiform tablet, King Sargon's daughter	Enhendu'anna first poet, priestess, prophet in history. Akkad, Sumeria
3700		Indus River Valley Civilization ended	
3700		Gold cape in Wales	Flintshire. Fine sheet work.
3700		Trigonometry invented	Babylonian clay tablet.
3700		Model cucumber	Def not a dildo. Egyptian.
3700		Canaanite ivory comb	To remove lice. With inscription in Canaanite.
3770		Sumerian ark story	God Enki told Sumerian King Atram-Hasis to build a 220 ft diameter coracle.
3800		Code of Hammurabi	Early legal code
3837		Black Pyramid done	First of Amenemhat III Egypt.
3900		Minoan civilization starts	On the island of Crete. Palace at Knossos had a wooden flush toilet.
4000		Oldest test	Tablet in Egypt has spelling mistakes marked
4000		World population	27 million
4000		Bowl of noodles	Millet, from Lajia site, NW China
4000		Chickens domesticated	
4000		Phaistos Disc	No has read its 241 symbols. Minoan.
4000		Lemon created?	SE Asia, from citron and bitter orange
4000		First blueprint (house plan)	Umma, Sumeria.
4000		Oak wagon found	Lchashen village, Armenia
4000		Beer invented?	Sumerians
4000		First birth certificate	Nippur, Iraq. Includes footprint. Sumeria.
4000		Tello bridge	Girsu, Iraq. Over canals to save water.
4000		Elamite script used	Gor, Iran
4000		First Chinese dynasty	Xia dynasty
4023		Pythagorean theorem	Babylonian tablet predated P by 1433 years.
4202	2181	End of Old Kingdom, Egypt	End of pyramid building.

Years Ago	Cal. Year	Event	Notes
4300		Amesbury Archer died	Very wealthy man near Stonehenge, but from the Alps. Flint arrowheads.
4300		Copper Age ends	
4400		Beer making	Near Giza, Egypt
4400		Oldest flag	Shahdad Standard, Iran
4500		Huge Iberian monument	Dolmen of Soto, in Trigueros, Spain
4500		Transgender priestess	Sumerian "gala" priestesses for Inanna
4500		Ship for Pharaoh Khufu	142 foot wooden ship for afterlife.
4500		Double female figure	Marble, Cycladic, Hellas.
4500		Skara Brae, Orkney deserted	After occupied for 650 years.
4500		Diary of Merer	Tells how Egyptians built the pyramids
4500		Neolithic people die off	England. Replaced by Bell Beaker migrant wave.
4500		Abacus invented	Sumerians
4500		Lurgan Canoe oak	14 m long, 1 m wide, Galway, Ireland
4500		2-hump camels domesticated	Bactrian
4523		Death of Gilgamesh	King of Uruk
4560		Great pyramid of Cheops	Completed under pharaoh Imhotep.
4573		Wooden peat road	Nieuw-Dordrecht, Netherlands
4650		(First) pyramid of Djoser	Egypt. Maybe 4700 YA. Start Old Kingdom.
4686		Upper and lower Egypt united	First pharaoh Djoser.
4700		King Meskalamdug, Sumeria	First Dynasty of Ur. Gold helmet exists.
4800		Oldest UK home	Knap of Howar, Orkney, Scotland
4800		Mom holding baby	Skeleton found in Taichung, Taiwan.
4852		Tree born	Bristlecone pine tree Methuselah born in CA
5000		Stonehenge started	Built over three centuries by Neolithic people.
5000		World population	14 million
5000		Athens first occupied	Greece
5000		Alpacas domesticated	
5000		Early dagger	Crystal dagger found in Spain.
5000		Flax domesticated	For flax linen fabric. Worldwide.
5000		Scottish tomb	Holm, Orkney. Good for Neolithic man.
5000		Oldest city in Americas	Caral, Peru
5000		Drum found	Yorkshire, England. Made of chalk?
5000		Oldest double eagle	Emblem, Jiroft civilization, Iran
5000		Vittrup Man skull smashed	NW Denmark
5000		Cotton grown for cloth	Pakistan, Indus Valley.
5000		Hittite and Hattusa Empire	Polygon walls.
5000		Time system invented	Sumerians invented the base-60 time system
5000		Harappan civilization	Started, fl. 1200 years, Indus valley
5000		Wine jars found	Queen Merit-Neith tomb, Abydos, Egypt
5100		Oldest woven clothing	Tarkhan Dress, linen (Egypt)

Years Ago	Cal. Year	Event	Notes
5100		Egyptian civilization starts	
5120		Bison speared	Spearhead in bison skull near Tulsa, OK; nomadic Claf Creek Culture. Likely used an atlatl.
5200		Copper Age starts Europe	Dates fuzzy on the Copper Age
5200		Iceman Otzi died	60+ tattoos, leather coat, Otztal Alps, Austria
5200		Newgrange Neolithic tomb	Meath, Ireland.
5300		Indus River Valley Civilization started	First great civilization in and around India
5300		Carnac stones, Brittany, France	Megalithic granite stones, some 6500 YA
5300		Bronze Age started	Stone age ends.
5400		First human writing	Cuneiform created in Uruk.
5400		First war?	Northern Spain, remains of 300 people
5400		Fabric invented	Linen, in Egypt.
5450		Crab Nebula formed	Not seen until 1054 CE
5484		Oldest conifer tree	Patagonian cypress in Chile
5500		Star map in Nineveh	Sumerian map records large asteroid strike.
5500		Ceramic bowl with feet	From Nile clay, has human feet.
5500		Oldest leather shoe	Vayotz Dzor province, Armenia.
5500		Oldest Egyptian mummy?	Man "Ginger" age 19, had bull tattoo.
5500		Burial chamber (England)	Belas Knap Long Barrow, Gloucestershire.
5500		End of early Sumerian era	
5500		Horses domesticated	
5600		Egyptian mummy	Showed signs of preservation.
5650		Wheel invented	
5800		First ziggurat, King Ummu	Sumerian king
6000		Sailboat invented	Egyptians on the Nile
6000		First civilization	Sumerians, in Mesopotamia, cities of Tell Brak, Uruk, and Hamoukar. ¹
6000		Timber walkway over marsh	Somerset, England.
6000		Lizard-headed woman	Nude and nursing a child, Mesopotamia
6000		Neolithic people emerge	Farmers in England; paler skin, brown eyes, brown or black hair. Came from Turkey via Iberia. Mesolithic people die off except a trace in Scotland.
6000		Wool first used	
6000		L'Anse aux Meadows inhabited	By various indigenous tribes, Newfoundland.
6000		Oldest shoes	Sandals in southern Spain
6000		Lovers statue	Gumelnita, Romania. Clay and painted.
6000		Tree still alive	In Tanzania, the Sunland Big Baobab.
6000		Sewer and water pipes	Ur, Mesopotamia

¹ Women could own land, start a business, read and write, get a job, ask for a divorce, and be involved in court cases.

Years Ago	Cal. Year	Event	Notes
6000		Llamas domesticated	
6000		First harps	City of Ur
6000		Start of recorded history	By humans.
6200		First goldsmithing	Copper and gold jewelry, Varna, Bulgaria.
6500		Plow invented	
6500		Stone Age cemetery	In Tainiario, near Lapland, Finland
6500		Varna Man buried	Near Black Sea, gold, copper axes, and 280 other graves.
6500		Linear Pottery Culture	Early Neolithic Europe, now Germany.
6600		Man with elk antler headdress	Volga, Russia. Ekaterinovskia Mys grave 45.
7000		Structured society	In southeast Europe.
7000		Cotton cloth invented	Mexico
7000		Seated Woman	35 year old, Dark skin, pale eyes, Sweden
7000		Millet in China	First cultivated there.
7000		Bog graves found	Windover, Florida. 167 bodies
7000		Spain megalith	Their Stonehenge
7000		Cajamarca, Peru settled	Became Inca in 15 th C.
7000		Camels carved in rock	SW Saudi Arabia
7000		Oldest bowed string instrument	The ravanastron
7000		First ball sport	Tsu Chu in China, vaguely like soccer
7043		Mad buried in Chile	Atacama Desert, has skin, hair, clothes.
7300		Cabins in Spain	Wooden cabins near Catalonia.
7500		Crater Lake formed	Eruption in SW Oregon
8000		First irrigation	
8000		Wine making monks	Georgia (Russia)
8000		First beer making	Sumeria (Iraq) goddess Ninkasi
8000		Stone woman carving	Catalhoyuk, Turkey
8000		Carved aurochs bone	5 Humanish figures, Zealand, Denmark
8000		Ceramic vase	Found in Persia, depicts an eastern cheetah.
8000		Fortress in Siberia	Mesolithic hunter-gatherers near Amnya river.
8000		Wall engravings	Of cow and giraffes, Settafet, Libya
8000		First Etruscans	Italy. Phased out by ~50 CE.
8200		Oldest S American paintings	Neuquen, Argentina, cave Huenul 1.
8200		Copper smelted	Anatolia. Some say 10,000 YA.
8400		Dog burial	Ljungaviken, Sweden. Buried with gifts.
8600		Bread found	Catalhoyuk, Turkey. Wheat, barley.
8600		Bad Dürrenberg shaman (Germany)	30 years old, had fancy headdress
9000		Structures under Lake Michigan	Located under Grand Traverse Bay, like Stonehenge
9000		Cheddar man found	England. Local man is direct descendant.

Years Ago	Cal. Year	Event	Notes
9000		Liao River Valley, China	Farmers here may be common ancestor for Japonic, Koreanic, Tungusic, Mongolic and Turkic languages.
9000		First written text	Dispilio Tablet, Kastoria, Greece
9000		Jericho walls	Stone fortifications started
9000		Animal-herding structures	Under Lake Huron
9000		Red corn developed	South-central Mexico.
9000		Giant river turtle extinct	<i>Peltocephalus maturin</i> in Brazil
9000		Oldest architectural plans	Hunting traps "desert kites" near Jebel az-Zilliyat, Saudi Arabia.
9500		First cities	Mesopotamia
9500		Catalhoyuk, Turkey founded	Honeycomb homes, artwork, roof pathways
9500		Cats domesticated	
9550		Oldest living tree	The old Tjikko tree in Sweden sprouts new trunks from ancient root system.
10,000		Sea level	About 60 meters lower than today.
10,000		Lake Superior formed	N America.
10,000		Pottery fired in ovens	
10,000		Giraffe engravings	Sahara Desert
10,000		Stone Vulture statue	Göbekli Tepe, Turkey
10,000		World population	5 million
10,300		Pigs domesticated	
10,300		Cows domesticated	
10,500		Woven basket found	92 liter basket found Muraba 'at Cave, Judea
10,500		Goats domesticated	
10,500		Oldest N.A. petroglyph	Winnemucca Lake NV carved up to 14,800 ya. Paiute & Shoshone tribes.
10,500		Oldest England home	11' wide shelter in North Yorkshire
11,000		Bow found	Germany
11,000		Oldest earrings found	Boncuklu Tarla, Turkey (Neolithic)
11,000		Jericho settled	Palestine
11,000		Stone homes in Turkey	Near Sayburc. Carved narrative art w bulls, leopards, penises.
11,000		Sheep domesticated	Zagros mountains
11,000		Agriculture invented	Cereals grown in the Fertile Crescent
11,500		When Atlantis existed	Per Plato, near Atlas Mountains in Morocco
11,600		Mesolithic people emerge	Hunter-gatherers in England. Dark skin, blue eyes.
11,600		Oldest known temple	Gobekli Tepe temple in SE Anatolia, Turkey
11,700		Last ice age ended	Quaternary
12,000		Carved atlatis (spears)	Magdalene Shelter, Tursac, France
12,000		Maymand cave village, Iran	Still occupied, Kerma province.
12,000		Steppe bison carving	Abri de Madeleine, France
12,000		People return to N Europe	And Scandinavia. (Stone Age)

Years Ago	Cal. Year	Event	Notes
12,000		First cities?	
12,000		Tunnel network in Europe?	N Scotland to Mediterranean
12,200		Mesolithic burial cave for 60	Aveline's Hole, Somerset, England.
12,500		Atlatl spear	Carved into mammoth, La Madeleine, FR
12,600		Amazon artwork	8 mile stone canvas in rainforest.
12,940		Oldest beads in Americas	Bone, La Perle Mammoth, WY
13,000		Humans in Amazon	Rock art, Serrania de la Lindosa, Columbia
14,000		Canadian settlement	By Heiltsuk people on Triquet Island, BC.
14,000		Cave painting of a bison	Altamira, Spain.
14,000		Two bison stuck in mud	Le Tuc d'Audoubert cave, SW France
14,000		N American spears	Spear points near Austin, TX.
14,400		Charred bread found	Shubayqa, Jordan. Made by Natufians.
14,500		Sea level	100 meters lower than today
15,000		Iberian refuge	Europeans hid from the glaciers.
15,000		Denisovans died off	Left 3-5% of DNA in Asians
15,000		Dogs domesticated	
17,000		Horse cave painting	Przhevalsky horses, Lascaux cave, France.
17,000		Graffiti in Sicily	Ended after 5000 yrs in Addaura Cave near Palermo
17,000		Bison cave painting	Altamira Cave, Spain
18,000		Ancestors of Blackfoot natives	Now in Montana and Alberta.
18,000		Last ice age peaked	Sea level down 400', global temp down 10 F.
18,000		<i>Homo floresiensis</i> died off	
18,400		Rama's Bridge formed	Between India and Sri Lanka.
20,000		Human footprints	From fast person in Alaska.
23,000		Venus figure found	Venus of Renancourt in Amiens, France.
23,000		First natives in Americas	White Sands, NM footprints found
24,000		Mal'ta boy DNA	Siberian source of Denisovian DNA evidence.
24,000		Oldest percussion instrument	Based on mammoth bones
25,000		Sloth dies Brazil	Humans modified sloth bones.
25,000		Origin of Nǀng language Tuu	A Khosian language from South Africa.
25,000		Oldest human face image	Venus of Brassempouy, ivory (France)
25,000		Humans in Indonesia	Jawbone found in SW Sulawesi
25,000		Cave engravings	Cussac cave, France. >150 artworks
27,000		Cosquer cave drawings	France, entrance is underwater.
27,000		Virus from mammoth wool	<i>Pithovirus</i>
28,000		Cave lion cub died	Siberia
28,000		First known dildo?	Hohle Fels phallus, Ulm, Germany
28,000		Neanderthal dies off.	Some say 40,000 YA
28,500		Arctic Neanderthals	Byzovaya, Russia. Flint artifacts.
30,000		Baby mammoth discovered	Yukon, in permafrost.
30,000		Humans in W Ukraine	
31,000		Amputation survived	Borneo, Indonesia. Lower left leg.

Years Ago	Cal. Year	Event	Notes
32,000		Cave art	Chauvet, Spain
32,000		Flax linen first used	In Georgia (Russia)
32,000		Squirrel died	Permafrost kept <i>silene stenophylla</i> seed, was revived and bloomed
33,000		<i>Homo erectus</i> dies off.	First cave paintings
33,000		Bird sculpture	Water bird from mammoth ivory. First bird sculpture. Hohle Fels, Germany.
35,000		Siberian unicorn died off	Rhino <i>Elasmotherium sibericum</i> .
35,000		Swabian Alb flute	Aurignacian culture, bone & ivory, Germany. European Upper Paleolithic.
36,000		Cave art Cro-magnon	Altamira Cave, Spain
36,250		Mammoth hunters	New Mexico
38,000		Oldest sculpture	Lion-Man from Hohlenstein-Stadel cave
39,000		Basque cave painting, Spain	Altxerri cave, horses?
39,000		Siberian unicorn	Huge, not cuddly.
39,300		Campanian Ignimbrite (CI) volcanic eruption	Near Naples, Italy, extended 2200 km east and 1000 km north.
40,000		Early human musical instrument	Flute. The Hohle Fels Flute. Griffin bone? Pentatonic.
40,000		Humans arrive in Java	
40,000		Star cave paintings	Paleolithic people understood constellations as animals, in Turkey and France.
42,000		Mammoth foal found	Batagaika crater, Siberia
45,500		Cave painting	Indonesia
46,000		Nematode thawed	<i>Panagrolaimus kolymaensis</i> from Siberian permafrost thawed and reproducing
48,000		End of <i>Denisovians</i>	Asia
48,000		Cave lion hunted	By Neanderthals with a spear.
48,500		Amoeba virus thawed	In <i>Acanthamoeba</i> . Family <i>Pandoraviridae</i> .
50,000		Pygmy tribe dies off	<i>Homo floresiensis</i> in Indonesia after 50k yrs.
50,000		<i>Denisovans</i> die off	Bred with humans from S Asia, New Guinea, Australia, Philippines, Tibet.
50,000		Humans advance	First animal hide clothing, death rituals, complex hunting traps.
54,000		Flint arrowheads	France
55,000		Major migration from Africa to Europe	Some say 70,000 YA.
58,000		First chickens	
60,000		Neanderthal flute	Divje babe cave near Cerknjo, Slovenia. Cave bear thigh. Maybe 50,000 YA.
64,000		Oldest cave paintings	Caceres, Spain by Neanderthals.
70,000		First Australians	Maori
80,000		Pando tree clones	Quaking Aspens, largest and oldest living thing on earth.

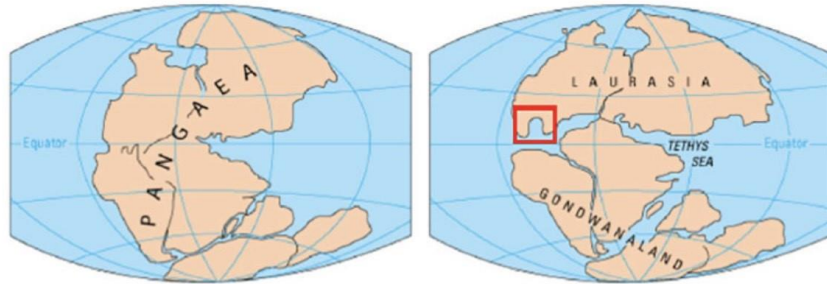
Years Ago	Cal. Year	Event	Notes
80,000		Neanderthal footprints	Normandy, France, 257 prints on beach
90,000		Spearfishing invented	
100,000		<i>Diprotodon</i> dies off	After 100,000 years, Queensland, AUS. A rhino-size wombat/bear.
100,000		People first lived in China	
100,000		First <i>Homo sapiens</i> burials	
100,000		<i>H. erectus</i> died off in Java	After being there 1.5 million years.
100,000		First jewelry	
110,000		First beads in jewelry	
120,000		Nesher Ramla, <i>Homo</i> type	Ramla, Israel. Hunted, cooked w fire
125,000		Elephant hunted	Neanderthals hunted <i>Palaeoloxodon antiquus</i> in Grobern and Thuringia, Germany.
140,000		Baltic Sea Anomaly	Large object of unknown origin.
140,000		First long-distance trade	
150,000		Eve lived in East Africa	Mother of all existing humans
150,000		First human speech	
160,000		First <i>Denisovans</i>	A pre-human identified by DNA in 2010.
177,000		People lived in Israel	
200,000		First true <i>Homo sapiens</i>	Brain volume 1350 cc. Not extinct yet. Estimated 117 billion so far.
200,000		Stone hand axe	Qurh site, Saudi Arabia.
200,000		<i>Homo naledi</i>	Buried their dead
300,000		First woolly mammoths	
300,000		<i>Homo naledi</i> lived	Rising Star cave, S Africa.
300,000		Diamond Head crater formed	Oahu, Hawaii, USA
300,000		10 German elephants	Near Schoningen, Lower Saxony
300,000		Oldest <i>Homo sapiens</i>	A primitive version
300,000		Axe knapped around fossil shell	Acheulean handaxe. West Tofts, Norfolk, England
300,000		Spears thrown	Yay! Some found near Schoningen, Germany
325,000		First humanoid footprints	Volcano in Italy
350,000		<i>Homo naledi</i> appears	1.5 m tall, small brains, used symbolic communication.
400,000		Spears invented	But not thrown yet 😬
400,000		<i>Denisovans</i> migrate	To Asia from Africa.
400,000		Neanderthals migrate	To Europe and Asia from Israel
450,000		English Channels forms	
450,000		First Neanderthal	<i>Homo neanderthalensis</i>
480,000		Boxgrove Man, Sussex, Eng.	Tibia and teeth from <i>Homo heidelbergensis</i> .
500,000		First known shelters	
600,000		<i>Homo heidelbergensis</i>	In Europe and Africa, brain size of ours.

Years Ago	Cal. Year	Event	Notes
640,000		Yellowstone erupts	Created 30x45 mile crater. Small eruption 70k YA.
700,000		First European-like man	<i>Petralona archanthropus</i> , in Petralona, Greece
780,000		Carp cooked with fire	Gesher Benot Ya'aqov, Israel
800,000		Petrified redwoods	Northern Thailand, one 237 ft long.
800,000		First <i>Denisovans</i>	Left Africa.
1,000,000		<i>Paranthropus boisei</i> died off.	
1,000,000		<i>Paranthropus robustus</i> died off.	
1,100,000		<i>H. erectus</i> in Spain	Sima del Elefante.
1,200,000		Yellowstone erupts	
1,200,000		Axe factory	Obsidian axe factory found in Ethiopia.
1,300,000		Axe found	Stone axe in Olduvai Gorge, Tanzania
1,400,000		<i>H. erectus</i> in Ukraine	
1,400,000		Early humans enter Europe	Barranco Leon and Fuente Nueva-3 in Spain
1,600,000		First use of fire	
1,750,000		Axes invented	
1,800,000		Early humans leave Africa	Dmanisi site in Russian Georgia.
1,800,000		<i>Homo erectus</i>	First hunter-gatherer, brain 1000 cc. Some say 2 MYA
2,000,000		<i>Homo ergaster</i>	Much larger brain size, 850 cc
2,100,000		Yellowstone erupts	USA
2,300,000		<i>Paranthropus boisei</i>	First found in Olduvai Gorge, Tanzania.
2,300,000		<i>Paranthropus robustus</i>	First appears
2,300,000		<i>Paranthropus aethiopicus</i> extinct	
2,500,000		Pliocene mastodon	Milia, Greece. <i>Mammuth borsoni</i>
2,500,000		<i>Homo habilis</i>	Used stone tools, brain 600 cc
2,580,000		Stone tools	Nyayanga, Kenya. Hippo, antelope bones
2,580,000		Quaternary Period until today	Giant mammals, early humans, Saber toothed cats. Several ice ages.
2,600,000		Stone age begins	
2,700,000		<i>Paranthropus aethiopicus</i>	First appears, an early prehuman australopithecine.
3,000,000		<i>Megalodon</i> extinct	
3,200,000		<i>Australopithecus afarensis</i>	Lived in Ethiopia, best example known as Lucy.
3,300,000		First use of stone tools	
4,000,000		<i>Australopithecines</i>	First pre-human to live on the savannah. Model is Taung fossil, from 1924 S Africa
5,500,000		<i>Ardipithecus ramidus</i>	First proto-human, 4' tall, tiny brain, found in Ethiopia.
5,800,000		<i>Orrorin tugenensis</i>	First bipedal primate

Years Ago	Cal. Year	Event	Notes
6,000,000		First big cat	<i>Panthera blytheae</i> , related to snow leopards.
6,000,000		Fresh water trapped	Under Hyblaen Mountains, Sicily.
7,200,000		European prehuman	<i>Graecopithecus freyberg</i> in Greece, Bulgaria
8,000,000		First gorilla	
9,700,000		Humanoid tooth found	Tooth similar to Lucy's, near Eppelsheim, Germany
12,000,000		Huge fossil bed	Ashfall Park in Royal, NE (USA). Rhino, deer, camels, horses.
19,000,000		Baleen whales	Emerge, found Murray River, Australia. Megalodon disappears.
20,000,000		Giant lion in Kenya	1500 kg. <i>Simbakubwa kutokaafrika</i>
20,000,000		Lake Baikal forms	Eastern Siberia, Russia
20,000,000		Pontus plate gone	Tectonic plate between Australia and Asia
23,000,000		<i>Otodus megalodon</i> appears	Huge shark
23,000,000		Neogene Period, lasted 20.45 million years	High ocean levels, develop mastodons, raccoons, and weasels. Camels, dog-like carnivores, and rhinoceroses. Last pig dinosaurs go extinct.
30,000,000		First cats	<i>Proailurus</i>
34,000,000		Antarctica froze over	
35,000,000		First dog	<i>Cynodictis</i> , descended from <i>Miacis</i>
48,000,000		Pregnant fossil horse	Fossil colt still inside mother.
48,000,000		Fossil trio	Insect inside lizard inside snake, Messel Pit, Germany
50,000,000		Fish shoaling schooling	Freshwater <i>Erismatopterus levatus</i> Green River Formation (USA)
50,000,000		First cetaceans exist	<i>Pakicetus</i>
55,000,000		First primates	
65,000,000		T. rex went extinct	
65,000,000		Testicles formed	First ones in placental mammals
66,000,000		Paleogene Period started, lasted 43 million years	Mammals grew larger, more birds, more Deciduous plants, first grasses, cooler climate.
66,000,000		Cenozoic Era , lasts until today	Age of Mammals! Cave lions, sabre-toothed cats, cave bears, giant deer, woolly rhinoceroses, sloths, and woolly mammoths
66,000,000		Tyrannosaurus rex died	Dinosaur-killing asteroid killed most types. 625 deg F Chicxulub crater.
70,000,000		Continents cuddled	Greenland, Appalachian mtns, W Africa, British Isles, and Caledonia mtns connect
70,000,000		Polaris forms	North Star
72,000,000		New mosasaur	Found Aridagawa River, Honshu Island, Japan. <i>Megapterygius wakayamaensis</i> .

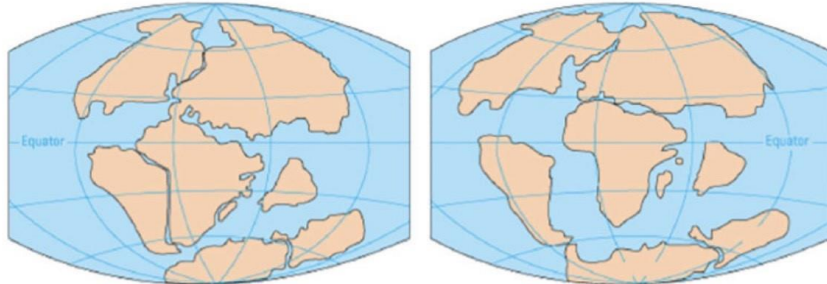
Years Ago	Cal. Year	Event	Notes
75,000,000		North America split	Greenland, Laramidia, and Appalachia / Laurentia
80,000,000		Moa bird on Gondwana	Nine species, all without wings.
90,000,000		Flowering plant pollen	Near Pine Island, West Antarctica
100,000,000		Crab found in amber	<i>Cretapsara athanata</i>
100,000,000		Kem Kem region	N Africa most dangerous place in all history.
100,000,000		Saturn rings form	
120,000,000		Early flowering plant	<i>Archaeofructus liaoningensis</i> , a black pepper
122,000,000		New sauropod	Titanosaur found near Morella, Spain, <i>Garumbatitan morellensis</i> . Lived until asteroid.
128,000,000		First snakes	
130,000,000		First flowers	
140,000,000		Early birds during Cretaceous	<i>Confuciusornis</i> (crow size) and <i>Iberomesornis</i> (sparrow size)
140,000,000		5 foot wide footprint	Broome, Australia
145,000,000		Cretaceous Period started, lasted 79 million years	Hadrosaurs, ichthyosaurs, mosasaurs, plesiosaurs, pterosaurs. High sea level (300-800' above today)
150,000,000		Pliosaur sea monster	Jurassic Coast, S England
150,000,000		Stegosaurus died off	
165,000,000		Huge fish	<i>Leedsichthys problematicus</i> , 16,5 m long, 45 metric tons
167,000,000		<i>T. rex</i> predecessor	<i>Proceratosaurus bradley</i> , wolf-sized.
200,000,000		Jurassic Period started, lasted 55 million years	Allosaurus, Apatosaurus, Ankylosaurus, Brontosaurus, Diplodocus, T. Rex, Triceratops, and Stegosaurus.
207,000,000		Bees and wasps exist	
225,000,000		Petrified forest wasn't yet	Arizona. Late Triassic period.
225,000,000		First mammal	<i>Brasilodon quadrangularis</i> , like a shrew.
243,000,000		First dinosaur	<i>Nyasasaurus pittingtoni</i>
250,000,000		Fossil trio	Spiny fish inside amphibian inside shark
250,000,000		Cambrian explosion	Great Dying set stage for dinosaurs
252,000,000		Mesozoic Era started, lasted 55 million years	Age of reptiles, age of conifers. five major extinction events.
252,000,000		Triassic Period started, lasted 50 million years	Age of dinosaurs, pterosaurs, ichthyosaurs and plesiosaurs, crocodiles, lizards, and turtles. Pangea breaks up.
270,000,000		<i>Kermitops</i> lived	Salamander named after Kermit the frog.
280,000,000		<i>Jimbacrinus Crinoid</i> fossil	Western Australia
289,000,000		Oldest reptile skin	Limestone cave in Oklahoma.
296,000,000		Octopus fossil	
310,000,000		First egg laying creatures	<i>Hylonomus</i> and <i>Paleothyris</i>
400,000,000		First trees	Tree ferns, horsetails and lycophytes.

Years Ago	Cal. Year	Event	Notes
450,000,000		First lamprey	Pacific lamprey from Agnatha group.
450,000,000		First arthropod	<i>Tomlinsonus dimitrii</i> found in SE Ontario
450,000,000		First sharks	<i>Doliodus problematicus</i>
500,000,000		First worms	
520,000,000		First fish & vertebrates	Jawless <i>Haikouichthys</i>
520,000,000		First trilobites	Thrived 300 million years
540,000,000		Phanerozoic Eon , lasted until today	Abundant animal and plant life has existed, dinosaurs to today. Start of Cambrian Explosion of modern animals.
600,000,000		First sea sponges	
700,000,000		Oldest animal	<i>Ctenophore</i> still exists today, a jellyfish.
800,000,000		First mushroom	<i>Mycelium</i>
1,000,000,000		Neoproterozoic Era, lasted 460 million years	Ice age reached equator, first multicellular animals, more continental crust formed
1,600,000,000		Mesoproterozoic Era, lasted 600 million years	Breakup of the Columbia supercontinent, formation of the Rodinia supercontinent.
2,000,000,000		First sexual reproduction	By single-celled protists
2,200,000,000		Oldest impact crater	In the Yilgarn Craton, W Australia
2,500,000,000		Stromatolites form	Still exist, Argentina's Puna de Atacama.
2,500,000,000		Proterozoic Eon, lasted 1.96 billion years	Single-celled anaerobic prokaryotes, and multicellular organisms evolved.
2,500,000,000		Paleoproterozoic Era, lasted 900 million years	Continents form, first cyanobacteria.
2,700,000,000		First eukaryotes	Cells with a nucleus. Atmospheric oxygen rising.
3,500,000,000		First prokaryotes	Bacteria. First viruses date unknown.
3,700,000,000		First microbes exist.	Microorganisms, the first life forms
4,000,000,000		Archean Eon, lasted 1.5 billion years	Rocks and continents form. Methane atmosphere.
4,460,000,000		Moon formed.	
4,600,000,000		Hadean Eon, lasted 600 million years	Earth formed. No rocks from this period except meteorites.



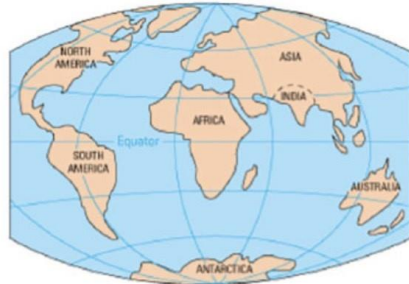
PERMIAN
225 million years ago

TRIASSIC
200 million years ago



JURASSIC
150 million years ago

CRETACEOUS
65 million years ago



PRESENT DAY

Geologic time scale

