

Vocabulary List for  
“Human History of Technological Development”



No.	単語・表現	意味	英英	例文
1	succeed	成功する	To achieve a goal or desired outcome.	They worked hard to succeed in their mission.
2	hypothetical	仮定の、仮定の	Based on assumptions rather than actual events or facts.	The discussion involved several hypothetical scenarios.
3	remarkable	卓越した、注目すべき	Worthy of attention due to being extraordinary.	Their remarkable achievement changed the course of history.
4	invent	発明する	To create something new, typically a device or process.	Edison invented many groundbreaking technologies.
5	strenuous	激しい、骨の折れる	Requiring great effort or energy.	Building the machine was a strenuous process.
6	entrepreneur	起業家	A person who organizes and operates businesses, taking on financial risks.	Entrepreneurs often face challenges while starting a business.
7	gradually	徐々に	Slowly over a period of time.	The technology gradually improved over several decades.
8	cumulative	累積の	Increasing gradually through successive additions.	The cumulative knowledge of engineers led to innovations.
9	genius	天才	Exceptional intellectual or creative ability.	His genius was evident in his innovative designs.
10	predecessor	前任者、先駆者	A person who came before in time, often in a similar role.	The Wright brothers' predecessors paved the way for aviation.
11	groundwork	基礎、土台	The basic work done to prepare for a major project.	They laid the groundwork for future developments in flight.
12	puzzle	謎、難問	A problem that requires thought and skill to solve.	They solved the puzzle of controlled flight.
13	foundation	基礎、土台	The base or groundwork for something.	The foundation of flight technology was laid by many inventors.
14	demand	需要	The need or desire for something.	There was a growing demand for faster transportation.
15	ripe	熟した、時期が来た	Ready or in a suitable condition for something to occur.	The time was ripe for the invention of the airplane.
16	fundamental	基本的な	Serving as a base or core; essential or primary.	Understanding fundamental principles is key to progress.
17	adjacent	隣接した	Next to or adjoining something else.	The new invention lies in the adjacent possible of science.
18	allocate	割り当てる	To distribute resources or duties for a specific purpose.	The government decided to allocate funds for research.
19	frustration	不満	A feeling of dissatisfaction due to unmet needs or goals.	The team's frustration grew as progress stalled.
20	spark	引き起こす、刺激する	To trigger or ignite something, such as interest or action.	His speech sparked a movement for change.

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21	sector	部門、分野	a part or division of a society or economy.	Both public and private sectors contributed to the project.
22	accumulation	蓄積	The gradual gathering or amassing of something.	The accumulation of knowledge led to the breakthrough.
23	efficient	効率的な	Achieving maximum productivity with minimal waste or effort.	They designed a more efficient engine for the aircraft.
24	fluid dynamics	流体力学	The study of fluids in motion and their forces.	Engineers use fluid dynamics to optimize wing designs.
25	combustion	燃焼	A chemical process of burning that produces energy.	The internal combustion engine revolutionized transportation.
26	aerodynamics	空気力学	The study of how air interacts with moving objects.	Aerodynamics is crucial in designing faster airplanes.
27	aeronautics	航空学	The science or practice of designing and building aircraft.	He pursued a career in aeronautics after studying physics.
28	forerunner	先駆者	A person or thing that precedes the development of something.	Isaac Newton was a forerunner in the field of physics.
29	inevitably	必然的に	Certain to happen; unavoidable.	Technological progress inevitably leads to societal changes.
30	scratch	初めから、ゼロから	From nothing or the very beginning.	Creating a plan from scratch is challenging.
31	accidental	偶然の	Happening unexpectedly or by chance.	The discovery of penicillin was accidental.
32	coincidence	偶然、一致	The occurrence of events by chance at the same time.	The coincidence of events led to a major breakthrough.
33	necessity	必然性	The condition of being required or unavoidable.	Innovation often arises from necessity and demand.
34	probability	確率	The likelihood of an event occurring.	The probability of success increases with more attempts.
35	incentive	動機、誘因	Something that motivates or encourages someone to act.	Financial incentives boosted research in renewable energy.
36	venture	冒険、事業	A risky or daring journey or undertaking.	The new venture aimed to revolutionize transportation.
37	perseverance	忍耐、粘り強さ	Steadfastness in doing something despite difficulty.	His perseverance was key to overcoming the challenges.
38	stumble	偶然出会う、つまづく	To discover something by chance or to trip.	She stumbled upon a solution while testing new materials.
39	statistically	統計的に	Based on data or numerical analysis.	Statistically, the odds of success are improving.
40	enthusiasm	熱意、情熱	Intense and eager enjoyment or interest.	His enthusiasm for the project inspired the entire team.

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41	decade	10年間、十年	A period of ten years.	The decade saw significant advancements in science.
42	deserve	値する	To be worthy of something, often due to effort or quality.	He deserves credit for his groundbreaking contributions.
43	humanity	人類	The human race collectively.	Flying freely has always been a dream for humanity.
44	versatile	多才な、万能の	Able to adapt or be used for many different purposes.	Leonardo Da Vinci was a versatile genius.
45	manuscript	手稿、原稿	Handwritten or typed documents, especially historical ones.	Da Vinci's manuscripts contain early sketches of inventions.
46	aero craft	航空機	a machine designed for flying through the air.	Early aero crafts paved the way for modern aviation.
47	inquisitive	探求的な	Showing curiosity or a desire to learn more.	Her inquisitive nature led to groundbreaking discoveries.
48	pie in the sky	絵に描いた餅	An unrealistic or impractical idea or plan.	His idea seemed like a pie in the sky at first.
49	absent	不在の、欠けている	Not present or available.	Enabling technologies were absent during Da Vinci's time.
50	realm	領域、分野	A field or domain of activity or interest.	The Wright brothers excelled in the realm of aviation.
51	successor	後継者、継承者	A person or an entity that follows or inherits a role or position.	The successors improved and expanded upon the invention.
52	commercialize	商業化する	Make something available to the public as a marketable product.	The invention was commercialized within a decade.
53	implement	実行する、導入する	Put into effect or action.	Their ideas were implemented in modern designs.
54	misfortune	不運、不幸	Bad luck or an unfortunate condition.	His misfortune was being born in an era lacking resources.
55	maintain	維持する	To keep something at a desired level or condition.	It is challenging to maintain complex technologies over time.
56	blueprint	設計図	A detailed plan or drawing that shows how something is made.	The engineers followed the blueprint to construct the device.
57	cutting-edge	最先端の	Highly advanced or innovative.	The company specializes in cutting-edge technology.
58	composite	複合の	Made up of several different parts or materials.	Composite materials are essential in modern aircraft design.
59	infrastructure	基盤、インフラ	The basic physical systems and structures needed for a society.	Airports are part of the critical infrastructure for aviation.
60	multitude	多数	A large number or quantity of something.	A multitude of factors contribute to technological success.

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61	stagnate	停滞する	To stop developing or progressing.	The economy began to stagnate due to a lack of innovation.
62	isolation	孤立、隔離	The state of being separated from others.	Geographical isolation can lead to the loss of technologies.
63	collective	集団の、共同の	Done or shared by a group of people.	Collective intelligence is vital for societal progress.
64	sustain	維持する、支える	To support or maintain over time.	A large population is needed to sustain complex systems.
65	adequate	十分な	Sufficient for a specific requirement or need.	The team lacked adequate resources to complete the project.
66	contemporary	同時代の、現代の	Existing or occurring at the same time as something else.	Contemporary innovations have changed the way we live.