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Saki Mafundikwa: Ingenuity and elegance in ancient African alphabets | TED Talk

https://www.ted.com/talks/saki_mafundikwa_ingenuity_and_elegance_in_ancient_african_alphabets

All Words

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Session 1: Word List

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

graphic

adj. relating to visual art or involving the use of diagrams or illustrations; very clear and powerful

synonym: illustrative, picturesque, visual

(1) **graphic** design, (2) a **graphic** description of an accident

The **graphic** novel was a masterpiece with stunning illustrations that brought the story to life.

institute

n. an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

synonym: academy, university, college

(1) **institute** a lawsuit, (2) research **institutes**

This region has many **institutes** offering higher education.

interrogate

v. to examine someone with questions over a lengthy period, especially in an aggressive manner

synonym : question, examine, probe

(1) **interrogate** an enemy soldier, (2) **interrogated** by police
The lawyer spent considerable time to adequately **interrogate** the witness.

investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

synonym : examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak
The committee **investigated** several apparent inconsistencies.

visual

adj. relating to seeing or sight

synonym : optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts
The building makes a remarkable **visual** impact.

creative

adj. relating to or involving the use of skill and original and unusual ideas to create something

synonym : imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit
All the supervisor has to do is assign tasks that make his subordinates more **creative**.

heritage

n. the culture and traditions that are passed down from previous generations

synonym : legacy, tradition, inheritance

(1) **heritage** site, (2) historical **heritage**
The **heritage** of the city is reflected in its architecture.

diploma

n. a document showing the completion of a course of study or a portion of the education program; a course of study at a college or university

synonym : credential, certificate, degree

(1) university **diploma**, (2) **diploma** thesis

He completed his high school **diploma** via correspondence courses.

talented

adj. having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area

synonym : gifted, able, skilled

(1) a very **talented** actor, (2) **talented** athlete

She is a **talented** musician, able to play several instruments.

typography

n. the art or process of printing with type; the design, layout, and arrangement of printed material, including text and images

synonym : printing, typesetting, font design

(1) **typography** skills, (2) **typography** layout

I love the bold **typography** used in this book's chapter heading.

curriculum

n. a series of subjects comprising a course of study in a school, college, etc.

synonym : program, syllabus, course of study

(1) a **curriculum** vitae, (2) an academic **curriculum**

A committee was appointed to manage the reorganization of the **curriculum**.

encourage

v. to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

synonym : facilitate, persuade, stimulate

(1) **encourage** a sense of affinity, (2) **encourage** antisocial behavior

They **encouraged** customers with a premium for loyal patronage.

inward

adj. directed or facing towards the inside; inside or inward-looking

synonym : internal, introspective, interior

(1) **inward** peace, (2) **inward** cargo

The **inward** motion of the tide was gradually slowing down.

influence

n. the ability to affect someone's or something's character, growth, or behavior, or the effect itself

synonym : power, leverage, effect

(1) **influence** a child's future, (2) **influence** the daily life

The former emperor had a particular **influence** even after he abdicated.

logos

n. a Greek term referring to logic, reason, or intellectual discourse, which denotes the rational principle that governs the universe or the persuasive appeal based on logic or reason in an argument

synonym : word, language, discourse

(1) **logos** principle, (2) divine **logos**

Modern philosophy has often been criticized as

logos-centric, focusing predominantly on rationality.

tradition

n. a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym : custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

alphabet

n. a character set that includes letters and is used to write a language

synonym : ABC's

(1) letters of an **alphabet**, (2) an **alphabet** of manual signs

He strove to memorize the Hebrew **alphabet**.

illustrate

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation

synonym : demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story

The company's financial records **illustrate** how successful it has been.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

symbol

n. something visible that is used to represent something else

synonym: mark, character, insignia

(1) **symbol** color, (2) **symbol** for happiness

The dragon is considered a **symbol** of bravery.

proverb

n. a short saying that expresses a truth or gives advice based on practical experience

synonym: adage, saying, maxim

(1) a hackneyed **proverb**, (2) ancient **proverb**

The famous **proverb** "actions speak louder than words" reminds us to focus on deeds instead of words.

historic

adj. famous or significant in history, or potentially so

synonym: memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

pictograph

n. a symbol or picture that represents a word, phrase, or concept; a form of communication that uses pictures or symbols to convey information

synonym: symbol, glyph, icon

(1) hand-drawn **pictograph**, (2) **pictograph** symbols

The cave paintings are ancient **pictographs** that tell stories of the past.

humankind

n. the whole of the living human inhabitants of the earth

synonym: humanity, human race, society

(1) **humankind** as a species, (2) history of **humankind**

On the geological time scale, **humankind** has existed for a brief moment.

religion

n. a deep conviction in a supernatural power that controls human destiny

synonym: faith, creed, belief

(1) **religion** sociology, (2) freedom of **religion**

Their **religion** strictly prohibits them from drinking or gambling.

intricate

adj. having many different parts and small details that all work together

synonym: complicated, convoluted, complex

(1) **intricate** details, (2) **intricate** lacework

The politician managed to deal with that **intricate** issue.

rainforest

n. a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

(1) **rainforest** destruction, (2) tropical **rainforest**

The destruction of the **rainforest** is a ticking time bomb for the Earth.

democracy

n. a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

synonym: self-government, republic, commonwealth

(1) **democracy** advocate, (2) principles of **democracy**

Democracy often entails inclusive capitalism as well.

republic

n. a state or country in which the people and their elected representatives hold supreme power and which has an

elected or nominated president rather than a monarch

synonym : democracy, federation, commonwealth

(1) **republic** democracy, (2) the **republic** of art

The United States is a federal presidential constitutional **republic**.

pound

n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

(1) three-fourths of a **pound**, (2) thousands of **pounds**

The car's front bumper cost fifteen hundred **pounds**.

praise

n. an expression that shows approval and admiration of the achievements or characteristics of someone or something

synonym : acclaim, honor, commendation

(1) attain critical **praise**, (2) universal **praise**

The drama series mainly received **praise**.

interweave

v. to combine or blend substantive parts or elements; to interlace; to mix or intermingle

synonym : intertwine, intertwist, interlace

(1) **interweave** threads, (2) **interweave** ideas

The author expertly tried to **interweave** the story's plot and characters.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym : construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

polyphony

n. music consisting of two or more independent melodies or voices sounding together

synonym :

multi-part, harmonization, counterpoint

(1) a beautiful **polyphony**, (2) the **polyphony** of the music
The composer wrote a complex **polyphony** for the orchestra, featuring multiple layers of sound.

geometric

adj. relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

synonym: mathematical, symmetrical, regular

(1) a **geometric** proof, (2) **geometric** pattern

The **geometric** shapes and patterns in the artwork are visually stunning.

bead

n. a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry

synonym: pearl, droplet, marble

(1) a beautiful **bead**, (2) **bead** curtain

She threaded the **beads** onto the string to make a necklace.

weave

v. to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

synonym: braid, unite, contrive

(1) **weave** on a loom, (2) **weave** a story

The girl **weaves** a garland for her friend.

bracelet

n. a piece of jewelry worn around the wrist, often as an ornament or decoration

synonym: wristband, bangle, charm bracelet

(1) beaded **bracelet**, (2) charm **bracelet**

She wore a beautiful **bracelet** that her grandmother had given her.

necklace

n. a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached

synonym: chain, choker, pendant

(1) beaded **necklace**, (2) pearl **necklace**

She received a beautiful **necklace** from her grandmother as a birthday gift.

script

n. a written text of a film, play, broadcast, or speech; something written by hand

synonym: writing, penmanship, article

(1) a hand **script**, (2) the **script** of a play

The archaeologist found a hieratic Egyptian **script** on a stone monument.

kingdom

n. the country ruled by a king or queen

synonym: empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**

By remaining neutral, this **kingdom** continued to exist.

syllable

n. a single unit of spoken language more significant than a phoneme containing a vowel sound and usually one or more consonants

(1) **syllable** structure, (2) single **syllable**

Emphasize the second **syllable** when pronouncing it.

well-defined

adj. having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable

synonym: clear, distinct, precise

(1) **well-defined** terms, (2) **well-defined** objectives

The **well-defined** set of instructions made it easy to assemble the furniture.

struggle

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

synonym: toil, strive, compete

(1) **struggle** against discrimination, (2) **struggle** to get the job

He could not **struggle** against temptation.

apt

adj. having a natural talent, inclination, or tendency for a particular activity, skill, or trait; appropriate or fitting for a specific situation or purpose

synonym : capable, suitable, adept

(1) **apt** example, (2) **apt** wording

She has an **apt** sense of humor and always knows how to make people laugh.

outward

adj. relating to the external appearance or surface of something; visible

synonym : external, surface, exterior

(1) an **outward** journey, (2) **outward** cheerfulness

The **outward** appearance of the building was impressive, but the inside was in dire need of repairs.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature

He found **inspiration** in the works of his favorite authors.

spirit

n. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

synonym : soul, attitude, enthusiasm

(1) **spirit** and the letter of the law, (2) an indomitable **spirit**

Despite their tragic loss, the family is showing great **spirit**.

contribute

v. to give something, especially money or goods, to provide or achieve something together with other people

synonym : donate, devote, commit

(1) **contribute** a large sum of money to the fund,

(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

compute

v. to make a mathematical calculation

synonym: calculate

(1) **compute** an average score, (2) **compute** the value
I tried to **compute** the efficiency of the investment.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

intuitive

adj. obtained through feelings rather than facts or proof

synonym: involuntary, instinctive, innate

(1) **intuitive** eating, (2) **intuitive** judgment

I had an **intuitive** feeling that I might be pregnant.

grasp

v. to take hold of something or someone quickly and firmly

synonym: grab, clasp, grip

(1) **grasp** his hand, (2) **grasp** a chance

They spent a lot of time trying to **grasp** the current situation.

fractal

n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

synonym: pattern, design, geometry

(1) **fractal** pattern, (2) **fractal** art

The coastline of Norway is one of the most famous examples of **fractal** geometry in nature.

antiquity

n. the ancient past, especially the period of classical civilization

synonym: ancientness, oldness, hoariness

(1) remote **antiquity**, (2) unrecorded **antiquity**

The study of **antiquity** is important for understanding the history, culture, and civilization of the past and their influence on the present.

monument

n. a statue, building, or other structure erected to commemorate a person or event

synonym: memorial, marker, statue

(1) humanity's **monument**, (2) **monument** honoring

The stone **monument** was built to commemorate the war heroes.

testimony

n. a formal written or spoken statement that something is true, especially one given in court; something that serves as evidence

synonym: affirmant, evidence, proof

(1) **testimony** before Congress, (2) give his **testimony**

Witness **testimony** backed up the defendant's claims.

achievement

n. a thing that someone has accomplished, primarily through their effort and ability

synonym: accomplishment, attainment, triumph

(1) student **achievement**, (2) a remarkable **achievement**

This **achievement** has never been formally accepted.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

attribute

v. to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;

synonym: ascribe, blame, (noun) feature

(1) **attribute** the change to their marriage, (2) **attribute** directly to sales

He **attributes** the disappointing results to the economic downturn.

cuneiform

adj. of or relating to a form of writing consisting of pressing a reed stylus into clay to create wedge-shaped marks used in ancient Mesopotamia

synonym : wedge-shaped, triangular, pyramidal

(1) **cuneiform** writing, (2) external **cuneiform** bone

The **cuneiform** tablets contain some of the oldest known examples of literature.

hieroglyph

n. a writing system using picture symbols, such as the one used in ancient Egypt

synonym : character, cipher, figure

(1) Egyptian **hieroglyph**, (2) the **hieroglyph** of the bird

Each beautiful **hieroglyph** represents either an idea or a sound.

cast

v. to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

synonym : throw, project, select

(1) **cast** a ballot, (2) **cast** a charming eye

This accident **cast** a dark shadow over their lives.

discovery

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym : finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

inscription

n. a message or design that is written or engraved on a surface of something, such as stone or metal

synonym : engraving, writing, script

(1) **inscription** on a plaque, (2) funerary **inscriptions**

The ancient coin had an **inscription** in Latin and a picture of the emperor on the other side.

desert

n. arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

limestone

n. a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite

synonym : calcareous rock, chalk

(1) sheer **limestone** cliffs, (2) **limestone** pavement

The Great Pyramid of Giza was built using blocks of **limestone**.

cliff

n. a steep rock face, especially one at the edge of the sea or a river

synonym : crag, escarpment, precipice

(1) a bold **cliff**, (2) **cliff** diving

He stood at the edge of the **cliff** and looked out to sea.

decipher

v. to read or understand something that is written in code or in a difficult or obscure way

synonym : interpret, decode, translate

(1) **decipher** code, (2) **decipher** message

He spent hours trying to **decipher** the ancient text.

consensus

n. general agreement or accord in the judgment or opinion reached by a group as a whole

synonym : agreement, accord, harmony

(1) a public **consensus**, (2) **consensus** among scientists

The two parties have reached a **consensus**.

scholar

n. professor; a person who studies a topic in considerable depth, particularly in a university

synonym : professor, pupil, learner

(1) **scholar** in international politics, (2) noted **scholar**

You won't have to pay college tuition if you're a **scholar**.

paleography

n. the study of ancient handwriting and scripts, particularly those used before the advent of printing, which involves deciphering and interpreting historical documents and manuscripts

synonym : calligraphy, script

(1) **paleography** study, (2) ancient **paleography**

By employing **paleography** techniques, researchers could determine the approximate age of the old manuscript.

chart

n. a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

synonym : diagram, graph, map

(1) a weather **chart**, (2) a statistical **chart**

This pie **chart** represents our market share.

seminal

adj. highly original, influential, or innovative; containing the seeds or beginnings of future development or growth; (of medicine) of or relating to semen or the male reproductive system

synonym : influential, groundbreaking, original

(1) **seminal** research, (2) **seminal** duct

The book was a **seminal** work in psychology, influencing generations of researchers.

vindicate

v. to clear someone or something of blame, suspicion, or doubt; to show or prove that someone or something is right or justified

synonym : justify, absolve, exonerate

(1) **vindicate** innocence, (2) **vindicate** his reputation

The athlete's exceptional performance **vindicated** their coach's training methods and strategies.

Session 2: Spelling

- | | |
|--|--|
| 1. sc_____r in international politics | <i>n.</i> professor; a person who studies a topic in considerable depth, particularly in a university |
| 2. te_____ny before Congress | <i>n.</i> a formal written or spoken statement that something is true, especially one given in court; something that serves as evidence |
| 3. vi_____te his reputation | <i>v.</i> to clear someone or something of blame, suspicion, or doubt; to show or prove that someone or something is right or justified |
| 4. co_____e an average score | <i>v.</i> to make a mathematical calculation |
| 5. di_____a thesis | <i>n.</i> a document showing the completion of a course of study or a portion of the education program; a course of study at a college or university |
| 6. li_____ne pavement | <i>n.</i> a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite |
| 7. int_____ve ideas | <i>v.</i> to combine or blend substantive parts or elements; to interlace; to mix or intermingle |
| 8. in___d peace | <i>adj.</i> directed or facing towards the inside; inside or inward-looking |
| 9. a gr_____c description of an accident | <i>adj.</i> relating to visual art or involving the use of diagrams or illustrations; very clear and powerful |

ANSWERS: 1. scholar, 2. testimony, 3. vindicate, 4. compute, 5. diploma, 6. limestone, 7. interweave, 8. inward, 9. graphic

10. a beautiful b__d *n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
11. three-fourths of a po__d *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
12. int_____ted by police *v.* to examine someone with questions over a lengthy period, especially in an aggressive manner
13. fr_____l pattern *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
14. noted sc_____r *n.* professor; a person who studies a topic in considerable depth, particularly in a university
15. int_____te an enemy soldier *v.* to examine someone with questions over a lengthy period, especially in an aggressive manner
16. humanity's mo_____nt *n.* a statue, building, or other structure erected to commemorate a person or event
17. a remarkable ach_____nt *n.* a thing that someone has accomplished, primarily through their effort and ability
18. the sc____t of a play *n.* a written text of a film, play, broadcast, or speech; something written by hand
19. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks

ANSWERS: 10. bead, 11. pound, 12. interrogate, 13. fractal, 14. scholar, 15. interrogate, 16. monument, 17. achievement, 18. script, 19. desert

20. at_____te directly to sales *v.* to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;
21. pal_____hy study *n.* the study of ancient handwriting and scripts, particularly those used before the advent of printing, which involves deciphering and interpreting historical documents and manuscripts
22. ou_____d cheerfulness *adj.* relating to the external appearance or surface of something; visible
23. se_____l duct *adj.* highly original, influential, or innovative; containing the seeds or beginnings of future development or growth; (of medicine) of or relating to semen or the male reproductive system
24. cr_____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
25. thousands of po__ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
26. a cur_____um vitae *n.* a series of subjects comprising a course of study in a school, college, etc.
27. mo_____nt honoring *n.* a statue, building, or other structure erected to commemorate a person or event
28. an indomitable sp____t *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

ANSWERS: 20. attribute, 21. paleography, 22. outward, 23. seminal, 24. creative, 25. pound, 26. curriculum, 27. monument, 28. spirit

29. achieve the hi____ic feat *adj.* famous or significant in history, or potentially so
30. wel____ned terms *adj.* having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable
31. ins____on on a plaque *n.* a message or design that is written or engraved on a surface of something, such as stone or metal
32. a scientific di____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
33. co____us among scientists *n.* general agreement or accord in the judgment or opinion reached by a group as a whole
34. in____te details *adj.* having many different parts and small details that all work together
35. university di____a *n.* a document showing the completion of a course of study or a portion of the education program; a course of study at a college or university
36. in____te a lawsuit *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
37. c__t a charming eye *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

ANSWERS: 29. historic, 30. well-defined, 31. inscription, 32. discovery, 33. consensus, 34. intricate, 35. diploma, 36. institute, 37. cast

38. se_____l research *adj.* highly original, influential, or innovative; containing the seeds or beginnings of future development or growth; (of medicine) of or relating to semen or the male reproductive system
39. a very ta_____ed actor *adj.* having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area
40. st_____le to get the job *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
41. st_____le against discrimination *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
42. establish his ki_____m *n.* the country ruled by a king or queen
43. hand-drawn pic_____ph *n.* a symbol or picture that represents a word, phrase, or concept; a form of communication that uses pictures or symbols to convey information
44. ill_____te a story *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
45. in_____ve eating *adj.* obtained through feelings rather than facts or proof
46. gr_____c design *adj.* relating to visual art or involving the use of diagrams or illustrations; very clear and powerful

ANSWERS: 38. seminal, 39. talented, 40. struggle, 41. struggle, 42. kingdom, 43. pictograph, 44. illustrate, 45. intuitive, 46. graphic

47. a ge_____ic proof *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
48. sy___l for happiness *n.* something visible that is used to represent something else
49. vi_____te innocence *v.* to clear someone or something of blame, suspicion, or doubt; to show or prove that someone or something is right or justified
50. typ_____hy layout *n.* the art or process of printing with type; the design, layout, and arrangement of printed material, including text and images
51. lo__s principle *n.* a Greek term referring to logic, reason, or intellectual discourse, which denotes the rational principle that governs the universe or the persuasive appeal based on logic or reason in an argument
52. in___d cargo *adj.* directed or facing towards the inside; inside or inward-looking
53. sheer li_____ne cliffs *n.* a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite
54. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
55. pic_____ph symbols *n.* a symbol or picture that represents a word, phrase, or concept; a form of communication that uses pictures or symbols to convey information

ANSWERS: 47. geometric, 48. symbol, 49. vindicate, 50. typography, 51. logos, 52. inward, 53. limestone, 54. inspiration, 55. pictograph

56. principles of de_____cy *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
57. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
58. vi___l navigation *adj.* relating to seeing or sight
59. we___e on a loom *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
60. cu_____rm writing *adj.* of or relating to a form of writing consisting of pressing a reed stylus into clay to create wedge-shaped marks used in ancient Mesopotamia
61. con_____te a large sum of money to the fund *v.* to give something, especially money or goods, to provide or achieve something together with other people
62. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
63. historical he_____ge *n.* the culture and traditions that are passed down from previous generations
64. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 56. democracy, 57. statistics, 58. visual, 59. weave, 60. cuneiform, 61. contribute, 62. structure, 63. heritage, 64. develop

65. en_____ge antisocial behavior *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
66. field of vi____l arts *adj.* relating to seeing or sight
67. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
68. tropical rai_____st *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
69. beaded ne_____ce *n.* a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached
70. sy_____le structure *n.* a single unit of spoken language more significant than a phoneme containing a vowel sound and usually one or more consonants
71. beaded br_____et *n.* a piece of jewelry worn around the wrist, often as an ornament or decoration
72. hu_____nd as a species *n.* the whole of the living human inhabitants of the earth
73. the re_____ic of art *n.* a state or country in which the people and their elected representatives hold supreme power and which has an elected or nominated president rather than a monarch

ANSWERS: 65. encourage, 66. visual, 67. contribute, 68. rainforest, 69. necklace, 70. syllable, 71. bracelet, 72. humankind, 73. republic

74. research in_____tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
75. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
76. ancient pr_____b *n.* a short saying that expresses a truth or gives advice based on practical experience
77. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
78. the po_____ny of the music *n.* music consisting of two or more independent melodies or voices sounding together
79. letters of an al_____et *n.* a character set that includes letters and is used to write a language
80. a public co_____us *n.* general agreement or accord in the judgment or opinion reached by a group as a whole
81. in_____ce the daily life *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
82. ge_____ic pattern *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

ANSWERS: 74. institute, 75. tradition, 76. proverb, 77. mathematics, 78. polyphony, 79. alphabet, 80. consensus, 81. influence, 82. geometric

83. a_t example *adj.* having a natural talent, inclination, or tendency for a particular activity, skill, or trait; appropriate or fitting for a specific situation or purpose
84. a bold cl__f *n.* a steep rock face, especially one at the edge of the sea or a river
85. Egyptian hie____ph *n.* a writing system using picture symbols, such as the one used in ancient Egypt
86. common in____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
87. typ____hy skills *n.* the art or process of printing with type; the design, layout, and arrangement of printed material, including text and images
88. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
89. b__d curtain *n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
90. en____ge a sense of affinity *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
91. mat____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 83. apt, 84. cliff, 85. hieroglyph, 86. invention, 87. typography, 88. develop, 89. bead, 90. encourage, 91. mathematics

101. de_____er message *v.* to read or understand something that is written in code or in a difficult or obscure way
102. a hackneyed pr_____b *n.* a short saying that expresses a truth or gives advice based on practical experience
103. inv_____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
104. in_____ce a child's future *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
105. an ou_____d journey *adj.* relating to the external appearance or surface of something; visible
106. sp_____t and the letter of the law *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
107. give his te_____ny *n.* a formal written or spoken statement that something is true, especially one given in court; something that serves as evidence
108. in_____te lacework *adj.* having many different parts and small details that all work together
109. universal pr_____e *n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something

ANSWERS: 101. decipher, 102. proverb, 103. investigate, 104. influence, 105. outward, 106. spirit, 107. testimony, 108. intricate, 109. praise

110. funerary ins_____ons *n.* a message or design that is written or engraved on a surface of something, such as stone or metal
111. history of hu_____nd *n.* the whole of the living human inhabitants of the earth
112. the hie_____ph of the bird *n.* a writing system using picture symbols, such as the one used in ancient Egypt
113. sy___l color *n.* something visible that is used to represent something else
114. rai_____st destruction *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
115. a tr_____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
116. pearl ne_____ce *n.* a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached
117. ill_____te a key point *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
118. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
119. a subordinate ki_____m *n.* the country ruled by a king or queen
120. inv_____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

ANSWERS: 110. inscription, 111. humankind, 112. hieroglyph, 113. symbol, 114. rainforest, 115. tradition, 116. necklace, 117. illustrate, 118. structure, 119. kingdom, 120. investigate

121. barren of cr____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
122. external cu_____rm bone *adj.* of or relating to a form of writing consisting of pressing a reed stylus into clay to create wedge-shaped marks used in ancient Mesopotamia
123. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
124. fr_____l art *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
125. de_____cy advocate *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
126. charm br_____et *n.* a piece of jewelry worn around the wrist, often as an ornament or decoration
127. de____t basin *n.* arid land with little or no vegetation often covered with sand or rocks
128. wel_____ned objectives *adj.* having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable
129. gr__p a chance *v.* to take hold of something or someone quickly and firmly

ANSWERS: 121. creative, 122. cuneiform, 123. inspiration, 124. fractal, 125. democracy, 126. bracelet, 127. desert, 128. well-defined, 129. grasp

130. ancient pal_____hy *n.* the study of ancient handwriting and scripts, particularly those used before the advent of printing, which involves deciphering and interpreting historical documents and manuscripts
131. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
132. a hand sc____t *n.* a written text of a film, play, broadcast, or speech; something written by hand
133. unrecorded an_____ty *n.* the ancient past, especially the period of classical civilization
134. ta_____ed athlete *adj.* having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area
135. in_____ve judgment *adj.* obtained through feelings rather than facts or proof
136. cl__f diving *n.* a steep rock face, especially one at the edge of the sea or a river
137. c__t a ballot *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
138. a weather ch__t *n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
139. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 130. paleography, 131. invention, 132. script, 133. antiquity, 134. talented, 135. intuitive, 136. cliff, 137. cast, 138. chart, 139. discovery

151. freedom of re____on

n. a deep conviction in a supernatural power that controls human destiny

152. a beautiful po_____ny

n. music consisting of two or more independent melodies or voices sounding together

ANSWERS: 151. religion, 152. polyphony

Session 3: Fill in the Blanks

1. He spent hours trying to _____ the ancient text.
 - v.* to read or understand something that is written in code or in a difficult or obscure way

2. The two parties have reached a _____.
 - n.* general agreement or accord in the judgment or opinion reached by a group as a whole

3. The former emperor had a particular _____ even after he abdicated.
 - n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself

4. The _____ shapes and patterns in the artwork are visually stunning.
 - adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

5. Emphasize the second _____ when pronouncing it.
 - n.* a single unit of spoken language more significant than a phoneme containing a vowel sound and usually one or more consonants

6. By remaining neutral, this _____ continued to exist.
 - n.* the country ruled by a king or queen

7. You won't have to pay college tuition if you're a _____.
 - n.* professor; a person who studies a topic in considerable depth, particularly in a university

ANSWERS: 1. decipher, 2. consensus, 3. influence, 4. geometric, 5. syllable, 6. kingdom, 7. scholar

8. The dragon is considered a _____ of bravery.
n. something visible that is used to represent something else
9. The politician managed to deal with that _____ issue.
adj. having many different parts and small details that all work together
10. Witness _____ backed up the defendant's claims.
n. a formal written or spoken statement that something is true, especially one given in court; something that serves as evidence
11. Each beautiful _____ represents either an idea or a sound.
n. a writing system using picture symbols, such as the one used in ancient Egypt
12. She wore a beautiful _____ that her grandmother had given her.
n. a piece of jewelry worn around the wrist, often as an ornament or decoration
13. I love the bold _____ used in this book's chapter heading.
n. the art or process of printing with type; the design, layout, and arrangement of printed material, including text and images
14. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
15. All the supervisor has to do is assign tasks that make his subordinates more _____.
adj. relating to or involving the use of skill and original and unusual ideas to create something

ANSWERS: 8. symbol, 9. intricate, 10. testimony, 11. hieroglyph, 12. bracelet, 13. typography, 14. structure, 15. creative

16. The destruction of the _____ is a ticking time bomb for the Earth.
- n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
17. The _____ novel was a masterpiece with stunning illustrations that brought the story to life.
- adj.* relating to visual art or involving the use of diagrams or illustrations; very clear and powerful
18. This _____ has never been formally accepted.
- n.* a thing that someone has accomplished, primarily through their effort and ability
19. The girl _____ a garland for her friend.
- v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
20. The ancient coin had an _____ in Latin and a picture of the emperor on the other side.
- n.* a message or design that is written or engraved on a surface of something, such as stone or metal
21. This pie _____ represents our market share.
- n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
22. The cave paintings are ancient _____ that tell stories of the past.
- n.* a symbol or picture that represents a word, phrase, or concept; a form of communication that uses pictures or symbols to convey information
23. The author expertly tried to _____ the story's plot and characters.
- v.* to combine or blend substantive parts or elements; to interlace; to mix or intermingle

ANSWERS: 16. rainforest, 17. graphic, 18. achievement, 19. weaves, 20. inscription, 21. chart, 22. pictographs, 23. interweave

24. The _____ of the city is reflected in its architecture.
n. the culture and traditions that are passed down from previous generations
25. He strove to memorize the Hebrew _____.
n. a character set that includes letters and is used to write a language
26. The drama series mainly received _____.
n. an expression that shows approval and admiration of the achievements or characteristics of someone or something
27. He found _____ in the works of his favorite authors.
n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
28. He completed his high school _____ via correspondence courses.
n. a document showing the completion of a course of study or a portion of the education program; a course of study at a college or university
29. A committee was appointed to manage the reorganization of the _____.
n. a series of subjects comprising a course of study in a school, college, etc.
30. She threaded the _____ onto the string to make a necklace.
n. a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
31. I had an _____ feeling that I might be pregnant.
adj. obtained through feelings rather than facts or proof
32. He stood at the edge of the _____ and looked out to sea.
n. a steep rock face, especially one at the edge of the sea or a river

ANSWERS: 24. heritage, 25. alphabet, 26. praise, 27. inspiration, 28. diploma, 29. curriculum, 30. beads, 31. intuitive, 32. cliff

33. She has an ____ sense of humor and always knows how to make people laugh.
adj. having a natural talent, inclination, or tendency for a particular activity, skill, or trait; appropriate or fitting for a specific situation or purpose
34. He has a flair for _____.
n. the science dealing with the logic of quantities, shapes, spaces, and arrangement
35. She received a beautiful _____ from her grandmother as a birthday gift.
n. a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached
36. _____ often entails inclusive capitalism as well.
n. a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
37. The study of _____ is important for understanding the history, culture, and civilization of the past and their influence on the present.
n. the ancient past, especially the period of classical civilization
38. The _____ motion of the tide was gradually slowing down.
adj. directed or facing towards the inside; inside or inward-looking
39. She is a _____ musician, able to play several instruments.
adj. having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area
40. They spent a lot of time trying to _____ the current situation.
v. to take hold of something or someone quickly and firmly

ANSWERS: 33. apt, 34. mathematics, 35. necklace, 36. Democracy, 37. antiquity, 38. inward, 39. talented, 40. grasp

41. The Great Pyramid of Giza was built using blocks of _____.
- n.* a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite
42. They _____ customers with a premium for loyal patronage.
- v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
43. The book was a _____ work in psychology, influencing generations of researchers.
- adj.* highly original, influential, or innovative; containing the seeds or beginnings of future development or growth; (of medicine) of or relating to semen or the male reproductive system
44. Government workers cannot _____ to political campaigns.
- v.* to give something, especially money or goods, to provide or achieve something together with other people
45. Her research team made an important _____.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
46. The _____ appearance of the building was impressive, but the inside was in dire need of repairs.
- adj.* relating to the external appearance or surface of something; visible
47. The stone _____ was built to commemorate the war heroes.
- n.* a statue, building, or other structure erected to commemorate a person or event

ANSWERS: 41. limestone, 42. encouraged, 43. seminal, 44. contribute, 45. discovery, 46. outward, 47. monument

48. The building makes a remarkable _____ impact.

adj. relating to seeing or sight

49. The committee _____ several apparent inconsistencies.

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

50. He _____ the disappointing results to the economic downturn.

v. to say or regard that something is the result of a particular thing; (noun) a quality or feature that someone or something possesses;

51. The coastline of Norway is one of the most famous examples of _____ geometry in nature.

n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

52. The car's front bumper cost fifteen hundred _____.

n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

53. By employing _____ techniques, researchers could determine the approximate age of the old manuscript.

n. the study of ancient handwriting and scripts, particularly those used before the advent of printing, which involves deciphering and interpreting historical documents and manuscripts

54. The Chinese people have accomplished several _____ feats.

adj. famous or significant in history, or potentially so

55. This region has many _____ offering higher education.

n. an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

ANSWERS: 48. visual, 49. investigated, 50. attributes, 51. fractal, 52. pounds, 53. paleography, 54. historic, 55. institutes

56. The _____ set of instructions made it easy to assemble the furniture.

adj. having clear and precise boundaries or characteristics; distinctly outlined or delimited; easily understood or recognizable

57. This region is predominantly _____.

n. arid land with little or no vegetation often covered with sand or rocks

58. The archaeologist found a hieratic Egyptian _____ on a stone monument.

n. a written text of a film, play, broadcast, or speech; something written by hand

59. He could not _____ against temptation.

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

60. The famous _____ "actions speak louder than words" reminds us to focus on deeds instead of words.

n. a short saying that expresses a truth or gives advice based on practical experience

61. This accident _____ a dark shadow over their lives.

v. to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

62. Necessity is the mother of _____.

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

63. Modern philosophy has often been criticized as _____ focusing predominantly on rationality.

n. a Greek term referring to logic, reason, or intellectual discourse, which denotes the rational principle that governs the universe or the persuasive appeal based on logic or reason in an argument

ANSWERS: 56. well-defined, 57. desert, 58. script, 59. struggle, 60. proverb, 61. cast, 62. invention, 63. logos-centric,

64. The composer wrote a complex _____ for the orchestra, featuring multiple layers of sound.
- n.* music consisting of two or more independent melodies or voices sounding together
65. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
66. I tried to _____ the efficiency of the investment.
- v.* to make a mathematical calculation
67. Despite their tragic loss, the family is showing great _____.
- n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
68. The company's financial records _____ how successful it has been.
- v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
69. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.
- n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
70. The United States is a federal presidential constitutional _____.
- n.* a state or country in which the people and their elected representatives hold supreme power and which has an elected or nominated president rather than a monarch

ANSWERS: 64. polyphony, 65. develop, 66. compute, 67. spirit, 68. illustrate, 69. tradition, 70. republic

71. The athlete's exceptional performance _____ their coach's training methods and strategies.
- v.* to clear someone or something of blame, suspicion, or doubt; to show or prove that someone or something is right or justified
72. The _____ tablets contain some of the oldest known examples of literature.
- adj.* of or relating to a form of writing consisting of pressing a reed stylus into clay to create wedge-shaped marks used in ancient Mesopotamia
73. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
74. The lawyer spent considerable time to adequately _____ the witness.
- v.* to examine someone with questions over a lengthy period, especially in an aggressive manner
75. On the geological time scale, _____ has existed for a brief moment.
- n.* the whole of the living human inhabitants of the earth
76. Their _____ strictly prohibits them from drinking or gambling.
- n.* a deep conviction in a supernatural power that controls human destiny

ANSWERS: 71. vindicated, 72. cuneiform, 73. statistics, 74. interrogate, 75. humankind, 76. religion