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Vocabulary Builder Reference from...

Jinha Lee: Reach into the computer and grab a pixel | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

strive

v. to try very hard to do, achieve, or obtain something
synonym: preserve, endure, persist

(1) **strive** hard to get, (2) **strive** for excellence

They **strived** to make their dream come true.

gap

n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

synonym: opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**

Many people are working together to close the gender **gap**.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym: numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

imaginary

adj. existing only in someone's mind

synonym: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

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.

boundary

n. a real or imaginary line that marks the limit or extent of something and separates it from other things or places

synonym: border, frontier, limitation

(1) geographical **boundary**, (2) the **boundary** between reality and fantasy

He wandered the **boundary** between life and death by gunfire.

penetrate

v. to pass into or through something, often by overcoming resistance

synonym: pierce, stab, go through

(1) **penetrate** a cell, (2) **penetrate** quickly into the skin
Western ideology slowly **penetrates** through the eastern countries.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym: move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

pixel

n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

synonym: dot, point, picture element

(1) **pixel** density, (2) color **pixels**

The computer screen comprises thousands of tiny **pixels** that create the overall picture.

surgeon

n. a doctor who is trained to perform medical operations that involve cutting open a person's body

synonym : sawbones, doctor

(1) an excellent brain **surgeon**, (2) army **surgeon**

He is a skilled **surgeon** that has many years of training and experience.

virtual

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

synonym : practical

(1) a **virtual** image, (2) trading of **virtual** currencies

She is the **virtual** president of the company.

underneath

adv. under or below something else

synonym : below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath** the laughter

The penny fell **underneath** the piano.

interact

v. to communicate or react with somebody

synonym : cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

dexterity

n. skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems

synonym : skillfulness, agility, expertise

(1) **dexterity** with the pen, (2) manual **dexterity**

The surgeon's **dexterity** was impressive during the delicate surgery.

applied

adj. of or relating to a subject of study, especially a science, that is used in a practical way

synonym : practical, practiced, used

(1) **applied** research, (2) **applied** physics

Military technology eventually became the foundation for **applied** technology that supported people's lives.

mentor

n. a person who helps and advises a younger or less experienced person over time, usually at work or school
synonym: adviser, coach, tutor

(1) **mentor** for life, (2) fashion **mentor**

As a **mentor**, he helped me realize my career.

redesign

v. to design something again, especially in a different or modified form; (noun) the process of designing something again

synonym: revamp, rework, remodel

(1) **redesign** project, (2) **redesign** of lifestyle

The company is planning to **redesign** its website.

keyboard

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

synonym: console, piano

(1) numeric **keyboard**, (2) **keyboard** instruments

Please strike the "enter" on the **keyboard**.

workspace

n. a designated area or physical setting where work is performed, often in a business or office setting

synonym: office, studio, workplace

(1) **workspace** design, (2) shared **workspace**

I need a quiet **workspace** to concentrate on my project.

combine

v. to join or merge to form a single thing or group

synonym: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

transparent

adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

synonym : translucent, evident, diaphanous

(1) a **transparent** lie, (2) **transparent** crystal

The focus of these initiatives is to make the financial system more **transparent**.

display

v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

synonym : show, exhibit, present

(1) **display** merchandise, (2) **display** artwork

We need to **display** our products in an attractive way to attract customers.

depth

n. the distance between the top and bottom of something; between the top surface and a distance below it

synonym : deepness, profoundness, extent

(1) **depth** camera, (2) the **depth** of the water

The pond's **depth** was around five feet.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym : raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

grab

v. to take hold of something or someone suddenly with a hand, especially in a violent way

synonym : clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity

Shall we **grab** a bite to eat?

flip

v. to turn over into a different position quickly; to throw or toss with a light motion

synonym : throw, jump

(1) **flip** over the pork chop, (2) **flip** a coin

He **flipped** when he heard that he had been accepted into

the university.

highlight

v. to make something prominent, mainly so that people give it more attention

synonym: feature, emphasize, stress

(1) **highlight** a string in red, (2) **highlight** an important difference

The introduction **highlighted** the speaker's distinguished career as a consultant

architect

n. a person whose job is to design plans to be used in making something, such as buildings

synonym: creator, designer, planner

(1) landscape **architect**, (2) **architect** of the peace accord

The building **architect** tried to build the house above the tree.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

rotate

v. to turn around a central point or axis; to move in a circular path around something

synonym: turn, revolve, spin

(1) **rotate** crops, (2) **rotate** about the origin

The Earth **rotates** on its axis once every 24 hours.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

mount

v. to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

synonym: climb, increase, get on

(1) **mount** a hill, (2) **mount** a counterattack

They **mounted** pictures on the paper in preparation for the birthday card.

see-through

adj. allowing light to pass through so that objects on the other side can be seen clearly; lacking in substance or depth; transparent or obvious

synonym: transparent, clear, translucent

(1) **see-through** packaging, (2) **see-through** curtains

Her **see-through** blouse was a bit too revealing for a formal work event.

geometry

n. the area of pure mathematics that deals with the points, lines, curves, and surfaces

(1) Euclidean **geometry**, (2) spherical **geometry**

The mathematician pioneered fractal **geometry**.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym: workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

adviser

n. a person who gives advice about a particular subject

synonym: consultant, guide, expert

(1) a medical **adviser**, (2) chief **adviser**

After retiring, he continued to be an **adviser** to politicians.

collaborate

v. to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

spherical

adj. having the shape of a sphere; round, spherical, or ball-shaped in appearance

synonym: round, orbicular, spherical

(1) **spherical** shape, (2) **spherical** object

The Earth is a nearly **spherical** planet.

magnet

n. an object or substance that can attract certain materials, such as iron or steel

synonym: magnetite, lodestone, attracting substance

(1) **magnet** attraction, (2) permanent **magnet**

The MRI machine uses **magnets** to produce images of the body's internal organs.

essentially

adv. relating to the essential features or concepts of anything

synonym: fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

cancel

v. to decide that a previously scheduled activity will not take place

synonym: abort, invalidate, annul

(1) **cancel** a class, (2) **cancel** a free subscription trial

When customers **cancel** their reservations, they lose the deposit they made.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

synonym : motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

magnetic

adj. having the properties of attracting or repelling certain materials containing iron or steel

synonym : attractive, drawing, hypnotic

(1) **magnetic** field, (2) a **magnetic** tape

The **magnetic** force of the earth keeps our planet spinning.

levitate

v. to rise or float in the air without apparent support, often in a magical or supernatural manner

synonym : hover, float, soar

(1) **levitate** objects, (2) **levitate** for a few seconds

The magician appeared to **levitate** off the stage, stunning the audience.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym : machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

actuate

v. to cause a machine or equipment to start to work
synonym: motivate, spark, drive

(1) **actuate** the circuits, (2) **actuate** a parking brake
A desire for success **actuated** her.

constraint

n. a limit or restriction on something, such as an action, behavior, or thought

synonym: limitation, restriction, bound

(1) **constraint** on business activity, (2) strict time **constraints**

The budget **constraint** forced them to make difficult decisions.

permanent

adj. lasting for a long time without essential change

synonym: lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life insurance

She is searching for a **permanent** residence.

choreography

n. the art and technique of arranging dance movements and patterns in a work of ballet or modern dance; the sequence of movements and positions in a dance

synonym: composition, arrangement, dance notation

(1) original **choreography**, (2) **choreography** art

The dance performance featured intricate **choreography**.

physically

adv. in a way related to a person's body or appearance rather than their mind

(1) **physically** and mentally, (2) stay **physically** fit

Having a **physically** healthy physique is essential for a great life.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym: space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

stud

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

synonym: beam, scantling, framing

(1) horse **stud**, (2) wall **stud**

He bought a new **stud** to attach the strap to his watch.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

concept

n. an idea or principle associated with something abstract

synonym: idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

tangible

adj. real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value

synonym : palpable, real, actual

(1) **tangible** assets, (2) produce **tangible** results

A problem that has been pointed out for years finally becomes **tangible**.

exciting

adj. causing a lot of interest or excitement

synonym : exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

surround

v. to be all around something or somebody

synonym : encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace

On three sides, mountains **surround** the settlement.

disconnect

v. to unfasten or disjoin something, especially to break the connection between a supply of gas, water, or electricity and a piece of equipment

synonym : unplug, detach, take apart

(1) **disconnect** a plug, (2) **disconnect** the water supply

She finally decided to **disconnect** herself from the company.

Session 2: Spelling

1. re_____e the trend
v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
2. phy_____ly and mentally
adv. in a way related to a person's body or appearance rather than their mind
3. manual de_____ty
n. skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems
4. ma_____ic field
adj. having the properties of attracting or repelling certain materials containing iron or steel
5. horse s__d
n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support
6. di_____y merchandise
v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
7. a ma_____ic tape
adj. having the properties of attracting or repelling certain materials containing iron or steel

ANSWERS: 1. reverse, 2. physically, 3. dexterity, 4. magnetic, 5. stud, 6. display, 7. magnetic

8. pe_____te quickly into the skin *v.* to pass into or through something, often by overcoming resistance
9. distance g_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
10. learn new co_____ts *n.* an idea or principle associated with something abstract
11. see_____gh curtains *adj.* allowing light to pass through so that objects on the other side can be seen clearly; lacking in substance or depth; transparent or obvious
12. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
13. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
14. ar_____ct of the peace accord *n.* a person whose job is to design plans to be used in making something, such as buildings
15. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
16. the bo_____ry between reality and fantasy *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

ANSWERS: 8. penetrate, 9. gap, 10. concept, 11. see-through, 12. mechanical, 13. digital, 14. architect, 15. distance, 16. boundary

17. co_____e the value *v.* to make a mathematical calculation
18. sp_____al shape *adj.* having the shape of a sphere; round, spherical, or ball-shaped in appearance
19. di_____y artwork *v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
20. wo_____ce design *n.* a designated area or physical setting where work is performed, often in a business or office setting
21. ap_____d physics *adj.* of or relating to a subject of study, especially a science, that is used in a practical way
22. de__h camera *n.* the distance between the top and bottom of something; between the top surface and a distance below it
23. stay phy_____ly fit *adv.* in a way related to a person's body or appearance rather than their mind
24. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
25. ac_____e the circuits *v.* to cause a machine or equipment to start to work
26. ro___e about the origin *v.* to turn around a central point or axis; to move in a circular path around something
27. in_____ct with one another *v.* to communicate or react with somebody

ANSWERS: 17. compute, 18. spherical, 19. display, 20. workspace, 21. applied, 22. depth, 23. physically, 24. digital, 25. actuate, 26. rotate, 27. interact

28. tr_____er power *v.* to move, pass, or change from one person, place, or situation to another
29. pe_____nt life insurance *adj.* lasting for a long time without essential change
30. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
31. ac_____e a parking brake *v.* to cause a machine or equipment to start to work
32. chief ad_____r *n.* a person who gives advice about a particular subject
33. see_____gh packaging *adj.* allowing light to pass through so that objects on the other side can be seen clearly; lacking in substance or depth; transparent or obvious
34. permanent ma_____t *n.* an object or substance that can attract certain materials, such as iron or steel
35. a vi_____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
36. strict time con_____nts *n.* a limit or restriction on something, such as an action, behavior, or thought
37. wall s__d *n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

ANSWERS: 28. transfer, 29. permanent, 30. reverse, 31. actuate, 32. adviser, 33. see-through, 34. magnet, 35. virtual, 36. constraint, 37. stud

38. hi_____ht an important difference *v.* to make something prominent, mainly so that people give it more attention
39. im_____ry pregnancy *adj.* existing only in someone's mind
40. save the pl____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
41. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
42. ca____l a class *v.* to decide that a previously scheduled activity will not take place
43. und_____th the laughter *adv.* under or below something else
44. co_____t car *n.* an idea or principle associated with something abstract
45. original cho_____phy *n.* the art and technique of arranging dance movements and patterns in a work of ballet or modern dance; the sequence of movements and positions in a dance
46. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
47. numeric ke_____rd *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

ANSWERS: 38. highlight, 39. imaginary, 40. planet, 41. stretch, 42. cancel, 43. underneath, 44. concept, 45. choreography, 46. distance, 47. keyboard

48. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
49. the de__h of the water *n.* the distance between the top and bottom of something; between the top surface and a distance below it
50. ta____le assets *adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
51. ap____d research *adj.* of or relating to a subject of study, especially a science, that is used in a practical way
52. ke____rd instruments *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
53. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
54. the attraction of gr____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
55. col____te with the police *v.* to work with someone else to produce or achieve something
56. su____nd a town *v.* to be all around something or somebody
57. mo__t a hill *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

ANSWERS: 48. lab, 49. depth, 50. tangible, 51. applied, 52. keyboard, 53. flip, 54. gravity, 55. collaborate, 56. surround, 57. mount

58. col_____te on a press release *v.* to work with someone else to produce or achieve something
59. cho_____phy art *n.* the art and technique of arranging dance movements and patterns in a work of ballet or modern dance; the sequence of movements and positions in a dance
60. ma___t attraction *n.* an object or substance that can attract certain materials, such as iron or steel
61. ro___e crops *v.* to turn around a central point or axis; to move in a circular path around something
62. au_____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it
63. dis_____ct a plug *v.* to unfasten or disjoin something, especially to break the connection between a supply of gas, water, or electricity and a piece of equipment
64. mo__t a counterattack *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
65. le_____te objects *v.* to rise or float in the air without apparent support, often in a magical or supernatural manner
66. co_____e an average score *v.* to make a mathematical calculation
67. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 58. collaborate, 59. choreography, 60. magnet, 61. rotate, 62. augment, 63. disconnect, 64. mount, 65. levitate, 66. compute, 67. mechanical

68. l__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
69. co____e augmented reality *v.* to join or merge to form a single thing or group
70. le____te for a few seconds *v.* to rise or float in the air without apparent support, often in a magical or supernatural manner
71. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
72. de____ty with the pen *n.* skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems
73. a circular mo____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
74. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
75. nuclear ph____s *n.* the science of matter and energy and their interactions
76. a stone wall su____nds the palace *v.* to be all around something or somebody
77. laws of ph____s *n.* the science of matter and energy and their interactions

ANSWERS: 68. lift, 69. combine, 70. levitate, 71. lab, 72. dexterity, 73. movement, 74. flip, 75. physics, 76. surround, 77. physics

78. ex____ng news *adj.* causing a lot of interest or excitement
79. an excellent brain su____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
80. Euclidean ge____ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
81. g__b an opportunity *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
82. become ess____ly same *adv.* relating to the essential features or concepts of anything
83. the g_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
84. pe____te a cell *v.* to pass into or through something, often by overcoming resistance
85. a tra____nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
86. com____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
87. in____ct directly with customers *v.* to communicate or react with somebody
88. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
89. dis____ct the water supply *v.* to unfasten or disjoin something, especially to break the connection between a supply of gas, water, or electricity and a piece of equipment

ANSWERS: 78. exciting, 79. surgeon, 80. geometry, 81. grab, 82. essentially, 83. gap, 84. penetrate, 85. transparent, 86. complexity, 87. interact, 88. lift, 89. disconnect

90. cognitive com_____ty	<i>n.</i> the state or quality of being complicated or intricate and difficult to understand
91. a medical ad_____r	<i>n.</i> a person who gives advice about a particular subject
92. army su_____n	<i>n.</i> a doctor who is trained to perform medical operations that involve cutting open a person's body
93. me____r for life	<i>n.</i> a person who helps and advises a younger or less experienced person over time, usually at work or school
94. mo_____nt of troops	<i>n.</i> a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
95. geographical bo_____ry	<i>n.</i> a real or imaginary line that marks the limit or extent of something and separates it from other things or places
96. im_____ry number	<i>adj.</i> existing only in someone's mind
97. fashion me____r	<i>n.</i> a person who helps and advises a younger or less experienced person over time, usually at work or school
98. st_____h a story	<i>v.</i> to make or be capable of making anything longer or broader without hurting or breaking
99. co_____e chemically with another substance	<i>v.</i> to join or merge to form a single thing or group
100. ex_____ng football player	<i>adj.</i> causing a lot of interest or excitement

ANSWERS: 90. complexity, 91. adviser, 92. surgeon, 93. mentor, 94. movement, 95. boundary, 96. imaginary, 97. mentor, 98. stretch, 99. combine, 100. exciting

101. hi_____ht a string in red *v.* to make something prominent, mainly so that people give it more attention
102. preserve my gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
103. con_____nt on business activity *n.* a limit or restriction on something, such as an action, behavior, or thought
104. shared wo_____ce *n.* a designated area or physical setting where work is performed, often in a business or office setting
105. re_____gn project *v.* to design something again, especially in a different or modified form; (noun) the process of designing something again
106. st___e for excellence *v.* to try very hard to do, achieve, or obtain something
107. landscape ar_____ct *n.* a person whose job is to design plans to be used in making something, such as buildings
108. spherical ge_____ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
109. au_____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
110. und_____th the surface of the water *adv.* under or below something else
111. pi__l density *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

ANSWERS: 101. highlight, 102. gravity, 103. constraint, 104. workspace, 105. redesign, 106. strive, 107. architect, 108. geometry, 109. augment, 110. underneath, 111. pixel

112. tr_____er a file
v. to move, pass, or change from one person, place, or situation to another
113. literature of pe_____nt value
adj. lasting for a long time without essential change
114. produce ta_____le results
adj. real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
115. color pi__ls
n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
116. trading of vi_____l currencies
adj. being actually such in almost every respect; existing in essence or effect though not in actual fact
117. tra_____nt crystal
adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
118. g__b an audience
v. to take hold of something or someone suddenly with a hand, especially in a violent way
119. re_____gn of lifestyle
v. to design something again, especially in a different or modified form; (noun) the process of designing something again
120. ess_____ly correct
adv. relating to the essential features or concepts of anything
121. st___e hard to get
v. to try very hard to do, achieve, or obtain something
122. sp_____al object
adj. having the shape of a sphere; round, spherical, or ball-shaped in appearance

ANSWERS: 112. transfer, 113. permanent, 114. tangible, 115. pixel, 116. virtual, 117. transparent, 118. grab, 119. redesign, 120. essentially, 121. strive, 122. spherical

123. pl___t like the Earth

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

124. ca___l a free subscription trial

v. to decide that a previously scheduled activity will not take place

ANSWERS: 123. planet, 124. cancel

Session 3: Fill in the Blanks

1. Military technology eventually became the foundation for _____ technology that supported people's lives.
adj. of or relating to a subject of study, especially a science, that is used in a practical way
2. She agreed to _____ with him in creating new artwork.
v. to work with someone else to produce or achieve something
3. The building _____ tried to build the house above the tree.
n. a person whose job is to design plans to be used in making something, such as buildings
4. I need a quiet _____ to concentrate on my project.
n. a designated area or physical setting where work is performed, often in a business or office setting
5. The focus of these initiatives is to make the financial system more _____.
adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
6. Economic factors and monetary policy _____ inflation.
v. to increase the size, extent, quantity, etc. of something by adding something to it
7. _____ a society is an organism.
adv. relating to the essential features or concepts of anything

ANSWERS: 1. applied, 2. collaborate, 3. architect, 4. workspace, 5. transparent, 6. augmented, 7. Essentially,

8. The dance performance featured intricate _____.
- n.* the art and technique of arranging dance movements and patterns in a work of ballet or modern dance; the sequence of movements and positions in a dance
9. The pond's _____ was around five feet.
- n.* the distance between the top and bottom of something; between the top surface and a distance below it
10. He studied the _____ of radiation.
- n.* the science of matter and energy and their interactions
11. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
12. The introduction _____ the speaker's distinguished career as a consultant
- v.* to make something prominent, mainly so that people give it more attention
13. The budget _____ forced them to make difficult decisions.
- n.* a limit or restriction on something, such as an action, behavior, or thought
14. A problem that has been pointed out for years finally becomes _____.
- adj.* real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
15. I tried to _____ the efficiency of the investment.
- v.* to make a mathematical calculation

ANSWERS: 8. choreography, 9. depth, 10. physics, 11. distance, 12. highlighted, 13. constraint, 14. tangible, 15. compute

16. One such rapidly growing _____ is quantum cryptography.
n. an idea or principle associated with something abstract
17. After retiring, he continued to be an _____ to politicians.
n. a person who gives advice about a particular subject
18. They _____ pictures on the paper in preparation for the birthday card.
v. to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
19. Having a _____ healthy physique is essential for a great life.
adv. in a way related to a person's body or appearance rather than their mind
20. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
21. A desire for success _____ her.
v. to cause a machine or equipment to start to work
22. The restaurant _____ a ban on smoking.
v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
23. He _____ when he heard that he had been accepted into the university.
v. to turn over into a different position quickly; to throw or toss with a light motion
24. She is the _____ president of the company.
adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

ANSWERS: 16. concept, 17. adviser, 18. mounted, 19. physically, 20. exciting, 21. actuated, 22. reversed, 23. flipped, 24. virtual

25. The surgeon's _____ was impressive during the delicate surgery.
n. skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems
26. The _____ force of the earth keeps our planet spinning.
adj. having the properties of attracting or repelling certain materials containing iron or steel
27. She _____ the money from her savings account to her checking account.
v. to move, pass, or change from one person, place, or situation to another
28. The Earth is a nearly _____ planet.
adj. having the shape of a sphere; round, spherical, or ball-shaped in appearance
29. As a _____ he helped me realize my career.
n. a person who helps and advises a younger or less experienced person over time, usually at work or school
30. The company is planning to _____ its website.
v. to design something again, especially in a different or modified form; (noun) the process of designing something again
31. On three sides, mountains _____ the settlement.
v. to be all around something or somebody
32. The _____ of the dancers on stage was graceful and elegant.
n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 25. dexterity, 26. magnetic, 27. transferred, 28. spherical, 29. mentor, 30. redesign, 31. surround, 32. movement

33. The magician appeared to _____ off the stage, stunning the audience.
v. to rise or float in the air without apparent support, often in a magical or supernatural manner
34. The Earth _____ on its axis once every 24 hours.
v. to turn around a central point or axis; to move in a circular path around something
35. When customers _____ their reservations, they lose the deposit they made.
v. to decide that a previously scheduled activity will not take place
36. The computer screen comprises thousands of tiny _____ that create the overall picture.
n. the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
37. Little children tend to have _____ friends.
adj. existing only in someone's mind
38. The mathematician pioneered fractal _____.
n. the area of pure mathematics that deals with the points, lines, curves, and surfaces
39. The astronaut felt weightless in space due to the absence of _____.
n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
40. Her _____ blouse was a bit too revealing for a formal work event.
adj. allowing light to pass through so that objects on the other side can be seen clearly; lacking in substance or depth; transparent or obvious

ANSWERS: 33. levitate, 34. rotates, 35. cancel, 36. pixels, 37. imaginary, 38. geometry, 39. gravity, 40. see-through

41. Sensors convert physical phenomena into _____ signals.

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

42. He is a skilled _____ that has many years of training and experience.

n. a doctor who is trained to perform medical operations that involve cutting open a person's body

43. The penny fell _____ the piano.

adv. under or below something else

44. The MRI machine uses _____ to produce images of the body's internal organs.

n. an object or substance that can attract certain materials, such as iron or steel

45. Many people are working together to close the gender ____.

n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

46. The project's _____ made it difficult for the team to complete it on time.

n. the state or quality of being complicated or intricate and difficult to understand

47. Hydrogen and oxygen _____ to form water.

v. to join or merge to form a single thing or group

48. They _____ to make their dream come true.

v. to try very hard to do, achieve, or obtain something

ANSWERS: 41. digital, 42. surgeon, 43. underneath, 44. magnets, 45. gap, 46. complexity, 47. combine, 48. strived

49. He should _____ more with his colleagues.

v. to communicate or react with somebody

50. Western ideology slowly _____ through the eastern countries.

v. to pass into or through something, often by overcoming resistance

51. A _____ engineer is still in demand in many companies.

adj. operated by a machine, relating to or concerned with machinery or tools

52. We need to _____ our products in an attractive way to attract customers.

v. to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

53. She is searching for a _____ residence.

adj. lasting for a long time without essential change

54. The drought _____ the prices of grain globally.

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

55. Please strike the "enter" on the _____.

n. device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

56. He wandered the _____ between life and death by gunfire.

n. a real or imaginary line that marks the limit or extent of something and separates it from other things or places

57. Shall we _____ a bite to eat?

v. to take hold of something or someone suddenly with a hand, especially in a violent way

ANSWERS: 49. interact, 50. penetrates, 51. mechanical, 52. display, 53. permanent, 54. lifted, 55. keyboard, 56. boundary, 57. grab

58. He bought a new _____ to attach the strap to his watch.

- n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

59. Some herds have been observed to _____ hundreds of kilometers.

- v.* to make or be capable of making anything longer or broader without hurting or breaking

60. She finally decided to _____ herself from the company.

- v.* to unfasten or disjoin something, especially to break the connection between a supply of gas, water, or electricity and a piece of equipment

61. Mercury is the closest _____ to the sun.

- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

62. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

- n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 58. stud, 59. stretch, 60. disconnect, 61. planet, 62. lab