# **Englist.me**

## Vocabulary Builder Reference from...

Evan Zodl: The unexpected math of origami | TED

Talk

https://www.ted.com/talks/evan\_zodl\_the\_unexpected \_math\_of\_origami



### **All Words**

#### **IMPORTANT**

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### **Session 1: Word List**

### telescope

- a device like a tube in shape containing lenses used to magnify and observe distant objects
- (1) a binocular **telescope**, (2) look through a **telescope** This facility has the largest astronomical **telescope** in the country.

#### snap

v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands

synonym: break, crack, fracture

(1) snap a whip, (2) snap judgment

She **snapped** a quick picture of the beautiful sunset before it disappeared.

#### sleeve

n. a part of a garment that covers all or part of an armsynonym: arm covering, armband

(1) a wide **sleeve**, (2) **sleeve** length

He rolled up his **sleeves** to get ready to work.

#### massive

adj. enormous amount; very heavy and solid

*synonym*: enormous, giant, immense

(1) massive amounts, (2) massive stars

The recent economic downturn has resulted in **massive** layoffs.

#### shield

glare

 a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves

synonym: guard, protection, safeguard

- (1) a heat **shield**, (2) a **shield** for protecting against a bullet Lead is an effective **shield** against X-rays, gamma rays, and other harmful radiation.
- v. to shine with a bright, harsh, or dazzling light; to stare fiercely or angrily, often with a piercing or threatening gaze; (noun) a strong, bright, and often harsh or uncomfortable light that can be blinding or difficult to look at directly

synonym: glower, stare, scowl

(1) the **glare** of the sun, (2) **glare** at my opponent The sun **glared** down on us, making it difficult to see without squinting our eyes.

### diameter

- n. the length of a straight line passing through the center of a circle and connecting two points on the circumference synonym: diam, width
- (1) **diameter** of an oval, (2) a particle **diameter** Draw a circle five centimeters in **diameter**.

#### rocket

 a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon

synonym: projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel The **rocket** launch platform is visible from this hill.

compact

adj. closely and firmly united or packed together, using very little space; smaller than is usual

*synonym*: packed, tight, consolidated

(1) a <b>compact</b> camera,	(2) extremely <b>compact</b> device
Two countries acted tog	ether as if by <b>compact</b> .

### ancient

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

synonym: archaic, age-old, obsolete

(1) pre-Christian ancient, (2) ancient stories

They have been living near water since ancient times.

### origami

 the Japanese art or practice of folding paper into decorative shapes and figures

synonym: paper folding, paper art

(1) origami paper, (2) origami art

I love making **origami** cranes during my free time.

#### translate

- v. to convert or change words into another language synonym: convert, transcribe, render
- (1) **translate** a document into English, (2) **translate** the emotion to a movement

**Translate** the text from Italian into English.

### concept

- n. an idea or principle associated with something abstractsynonym: idea, notion, vision
- learn new concepts, (2) concept car
   One such rapidly growing concept is quantum cryptography.

### yield

the total output of crops, profits, etc. that are produced;
 (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

synonym: proceeds, harvest, output

(1) corn **yield**, (2) the **yield** on the bond The company's stock gives a high **yield**.

#### crane

 a large, tall machine used for moving heavy objects by suspending them from a beam or hook

synonym: hoist, derrick, winch

(1) **crane** operator, (2) **crane** construction

The construction workers used a **crane** to lift the heavy beams.

### dragon

 a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

synonym: wyvern, serpent, drake

(1) dragon fruit, (2) dragon wing

In Chinese mythology, **dragons** are considered powerful and benevolent creatures.

### traditionally

adv. in accordance with tradition; typically or commonly done in a particular way

synonym: conventionally, commonly, generally

(1) **traditionally** accepted concept, (2) **traditionally** sung at a banquet

**Traditionally,** the ceremony was held outdoors.

### transform

v. to change in outward structure or looks;

synonym: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death transformed my life completely.

### purity

 the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

synonym: sinlessness, innocence, cleanliness

(1) the degree of **purity**, (2) high **purity** 

Higher **purity** requires additional equipment and energy.

#### unfold

 to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

synonym: open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

### represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

#### concave

adj. curving inward like the inside of a bowl synonym: hollow, indented, sunken

(1) a concave lens, (2) concave surface

The bowl was **concave** and held the water perfectly.

### valley

 a long depression on the surface of the land, which typically contains a river

synonym: canyon, gorge, dale

(1) valley bottom, (2) basin-shaped valley

The valley had received a mild snowfall the previous week.

### convex

adj. having a surface or outline that curves outward, like the exterior of a ball; having a shape that bulges or curves outward

synonym: curved, arched, bulging

(1) **convex** mirror, (2) **convex** surface

The magnifying glass had a **convex** shape, allowing for a better view of the specimen.

#### arrange

- v. to plan, prepare for, and carry out something synonym: set up, order, organize
- (1) **arrange** the meeting, (2) the list was **arranged** alphabetically

I need to **arrange** plans with him for the celebration.

#### crease

 a line or mark made by folding or wrinkling a surface or material; a slight ridge or fold in fabric or paper caused by pressing or folding

synonym: fold, wrinkle, ridge

(1) crease in fabric, (2) deep crease

The shirt had a noticeable **crease** along the sleeve from being folded.

### blueprint

 a photographic print of an early plan for a building or machine

synonym: draft, prototype, sketch

(1) **blueprint** for economic reform, (2) architect's **blueprint** A business plan is a **blueprint** for your success.

### dimension

 a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**Overall **dimensions** are approximately 400x200mm.

### introductory

adj. intended as an introduction or preliminary; serving as a base or starting point

synonym: beginning, preliminary, initial

(1) **introductory** biology text, (2) product **introductory** sale The **introductory** class was designed to give students a basic understanding of the subject.

#### mathematics

 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.

#### foldable

adj. able to be bent or folded without breaking; designed to fold up into a more compact shape for storage or transportation synonym: foldaway, collapsible, portable

(1) **foldable** bike, (2) **foldable** table

The airline allows passengers to bring a **foldable** stroller on board.

### abstract

 adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

synonym: conceptual, theoretical, ideational

(1) an abstract noun, (2) abstract science

The invention of the camera triggered the development of **abstract** painting.

### 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.

#### interior

 the inside or inner part of something; the space within the walls of a building

synonym: inner, inside, internal

(1) interior decoration, (2) plenty of interior space

The painter focused on the moody **interiors** of abandoned buildings in his work.

#### vertex

n. the highest point or apex of something, typically used to describe the highest point of a geometric figure such as a vertex of a triangle or a pyramid

synonym: apex, summit, peak

(1) graph **vertex**, (2) **vertex** of a parabola

The **vertex** of the triangle is located at the top point.

#### differ

v. to be not like someone or something in some way synonym: vary, diverge, disagree

(1) **differ** from the majority, (2) **differ** according to species The two products **differed** in their quality and price.

#### clockwise

adv. in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive

synonym: rightward, deasil

rotate clockwise, (2) move clockwise
 We need to turn the knob clockwise to lock the door.

### counterclockwise

adv. in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow synonym: anticlockwise, reversely

(1) move **counterclockwise**, (2) swirl **counterclockwise**The carousel rotates **counterclockwise** at a slow pace.

### degree

 a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym: level, qualification, diploma

bachelor's degree, (2) degree centigrade
 she received her degree in psychology from the university.

### odd

adj. strange or unexpected; not divisible by twosynonym: strange, bizarre, abnormal

(1) in an **odd** way, (2) **odd** behavior His grandfather was an **odd** man.

### 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.

### representation

n. the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons

### made in appealing or protesting

synonym: delegacy, manifestation, expression

(1) sales **representation**, (2) binary **representation** 

A person who has been declared incompetent should have legal **representation**.

#### relation

 the way two persons or groups of people feel and act toward one another

synonym: association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

### incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

### complexity

 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.

#### allocate

- v. to give or distribute something, such as resources or duties, to someone or something for a particular purpose synonym: apportion, assign, distribute
- allocate resource, (2) allocate budgets
   The company allocated a portion of its profits to developing

new products.

#### creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) creature of habit, (2) artificial creature

The deep sea **creature** was unlike anything the scientists had ever seen before.

### appendage

 a part attached to the main body or structure, often with a specific function or purpose; a limb or other body part that projects outward from the main body

synonym: extension, limb, attachment

(1) spiny appendage, (2) mechanical appendage

The spider's **appendage** allowed it to climb up the wall easily.

### separate

- v. to force, take, or pull apart; mark as different synonym: disunite, isolate, ramify
- (1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

flap

 a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

synonym: winged object, cover, (verb) flutter

(1) the flap of wings, (2) flap out a candle

The **flap** of the tent was open, letting in the fresh air.

sculpt

v. to create a work of art by carving, casting, or other shaping techniques

synonym: carve, mold, shape

(1) sculpt an image, (2) sculpt prototype

He spent hours every day **sculpting** figures out of clay.

### scorpion

 a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting

synonym: arachnid, stinger

(1) scorpion fish, (2) poisonous scorpionThe scorpion's venom can be lethal to humans.

### duplicate

v. to make or be an exact copy of something; to reproduce something

synonym: copy, replicate, reproduce

(1) **duplicate** my efforts, (2) **duplicate** his action I need to **duplicate** this document before I send it.

### satisfy

v. to make somebody pleased by giving them what they want or need

synonym: please, amuse, meet

(1) **satisfy** a desire, (2) **satisfy** a user's needs Did this response **satisfy** your request?

### tessellation

 a pattern consisting of a repeated geometric shape or motif that covers a surface entirely without any gaps or overlaps

synonym: tiling, mosaic, pattern

(1) geometric **tessellation**, (2) **tessellation** pattern The **tessellation** on the floor created a beautiful pattern with interlocking shapes.

gap

 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**.

### overlap

- v. to partially cover something by going beyond its edge synonym: overlay, cover, bespread
- (1) **overlap** one another, (2) **overlap** in many areas There was no **overlap** between their proposals.

#### vastness

 the extent or size of something, often describing an ample space or area; the quality of being immense or

#### immense in scale

synonym: immensity, enormity, vastitude

(1) limitless vastness, (2) scenic vastness

The **vastness** of the ocean was awe-inspiring and humbling.

### microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis Inspectors noticed **microscopic** cracks in the submarine's hull.

### principle

*n*. a fundamental law or truth that explains or controls how something happens or works

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business Efficiency isn't an essential **principle** here; fairness is.

#### medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

synonym: health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment The **medical** team worked quickly to save the patient's life.

### engineer

 a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym: architect, creator, builder

(1) a civil engineer, (2) engineer shortage

The **engineer** will repair my telephone tomorrow morning.

#### tradition

 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.

stent

- a small tube or wire mesh device that is used to keep an artery or other body opening open after surgery or other medical procedures
- (1) cardiac stent, (2) remove a stent

The doctor inserted a **stent** into the patient's artery to keep it open.

graft

n. a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

*synonym*: transplant, implantation, bribery

(1) graft surgery, (2) anti- graft law

The patient's skin **graft** procedure was successful, and he was released from the hospital.

tube

 a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

synonym: pipe, hose, duct

(1) a capillary tube, (2) a glass tube

The tube train was packed with commuters during rush hour.

dam

 a wall constructed over a river to block the flow of water, mainly used to generate energy

synonym: barricade, barrier, embankment

(1) dam-building program, (2) dam collapsing

The break in the **dam** threatened the valley.

vessel

n. a ship or large boatsynonym: boat, ship, craft

(1) blood vessels, (2) naval vessels

The **vessel** arrived in port the following day.

### rigid

adj. extremely strict and difficult to change or adapt; incapable of or resistant to bending

*synonym*: strict, inflexible, stringent

(1) rigid rules, (2) rigid structure

He was unpopular because of his **rigid** adherence to the rules.

#### structure

 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.

### expand

v. to increase or to make something greater in size, number, or importance

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output They hope to **expand** their business worldwide.

airbag

 a safety device designed to inflate rapidly in the event of a collision, protecting the occupants of a vehicle and reducing the risk of injury or death

synonym: air cushion, safety bag, crash bag

(1) defective airbag, (2) airbag deployment

The **airbag** system in the car saved the driver's life in a severe crash.

#### array

a large group or collection of things or people, especially one that is impressive or attractive

*synonym*: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

### folding

adj. capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation

synonym: foldable, collapsible, bendable

(1) folding knife, (2) folding table

The **folding** chairs were easy to set up and take down for the event.

#### nanostructure

- a structure that falls in between microscopic and molecular in size
- (1) **nanostructure** material, (2) three-dimensional **nanostructure**

This feature of the material is a result of its **nanostructure**.

### possibility

- n. a chance that something may happen or be truesynonym: chance, prospect, likelihood
- (1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

# **Session 2: Spelling**

1.	rid structure	adj.	extremely strict and difficult to change or adapt; incapable of or resistant to bending
2.	trally sung at a banquet	adv.	in accordance with tradition; typically or commonly done in a particular way
3.	diy merchandise	v.	to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
4.	trrm an education system	v.	to change in outward structure or looks;
5.	dir from the majority	<i>v</i> .	to be not like someone or something in some way
6.	blnt for economic reform	n.	a photographic print of an early plan for a building or machine
7.	geometric tesion	n.	a pattern consisting of a repeated geometric shape or motif that covers a surface entirely without any gaps or overlaps
8.	prle in business	n.	a fundamental law or truth that explains or controls how something happens or works
9.	a civil ener	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
10.	trte the emotion to a movement	<i>v</i> .	to convert or change words into another language

ANSWERS: 1. rigid, 2. traditionally, 3. display, 4. transform, 5. differ, 6. blueprint, 7. tessellation, 8. principle, 9. engineer, 10. translate

11.	fog table	adj.	capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation
12.	trte a document into English	<i>v</i> .	to convert or change words into anothe language
13.	drn fruit	n.	a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous
14.	anti-grt law	n.	a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods
15.	sp judgment	<i>v</i> .	to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
16.	a glass te	n.	a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
17.	ovp one another	<i>v</i> .	to partially cover something by going beyond its edge
18.	extremely cot device	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
19.	reon between cause and effect	n.	the way two persons or groups of people feel and act toward one another

ANSWERS: 11. folding, 12. translate, 13. dragon, 14. graft, 15. snap, 16. tube, 17. overlap, 18. compact, 19. relation

20. ovp in many areas	<i>v</i> .	to partially cover something by going beyond its edge
21. cot car	n.	an idea or principle associated with something abstract
22. defective aig	n.	a safety device designed to inflate rapidly in the event of a collision, protecting the occupants of a vehicle and reducing the risk of injury or death
23. posty for growth	n.	a chance that something may happen or be true
24. architect's blnt	n.	a photographic print of an early plan for a building or machine
25. diy artwork	<i>v</i> .	to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value
26. posty of a major earthquake	n.	a chance that something may happen or be true
27. swirl couise	adv.	in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow
28. sp a whip	v.	to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
29. move couise	adv.	in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow
30. cre operator	n.	a large, tall machine used for moving heavy objects by suspending them from a beam or hook

ANSWERS: 20. overlap, 21. concept, 22. airbag, 23. possibility, 24. blueprint, 25. display, 26. possibility, 27. counterclockwise, 28. snap, 29. counterclockwise, 30. crane

31.	coe surface	adj.	curving inward like the inside of a bowl
32.	ant stories	adj.	relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
33.	stre 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
34.	limitless vass	n.	the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
35.	fog knife	adj.	capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation
36.	artificial crre	n.	a living being, especially an animal
37.	a heat shd	n.	a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
38.	a two-dimensional ary	n.	a large group or collection of things or people, especially one that is impressive or attractive
39.	vex of a parabola	n.	the highest point or apex of something, typically used to describe the highest point of a geometric figure such as a vertex of a triangle or a pyramid
40.	binary repion	n.	the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting

ANSWERS: 31. concave, 32. ancient, 33. structure, 34. vastness, 35. folding, 36. creature, 37. shield, 38. array, 39. vertex, 40. representation

42. abct science  43. dier of an oval  75. the crosswise dion  46. say a desire  47. exd agricultural output  48. dee centigrade  79. to make somebody pleased by giving them what they want or need  48. dee centigrade  79. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or apyramid  79. a ship or large boat  79. a ship or large boat  79. a unit of ageometric figure such as a vertex of a pyramid	41.	spiny apge	n.	a part attached to the main body or structure, often with a specific function or purpose; a limb or other body part that projects outward from the main body
through the center of a circle and connecting two points on the circumference  44. a tron 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  45. the crosswise dion  n. a measurable extent of a particular kind, such as width, height, or length  46. say a desire  v. to make somebody pleased by giving them what they want or need  47. exd agricultural output  v. to increase or to make something greater in size, number, or importance  48. dee centigrade  n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment  49. naval vels  n. a ship or large boat  n. the highest point or apex of something, typically used to describe the highest point of a geometric figure such as a	42.	abct science	adj.	qualities and not on any a physical or
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temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment  49. naval vels  n. a ship or large boat  50. graph vex  n. the highest point or apex of something, typically used to describe the highest point of a geometric figure such as a	47.	exd agricultural output	<i>v</i> .	•
50. graph vex  n. the highest point or apex of something, typically used to describe the highest point of a geometric figure such as a	48.	dee centigrade	n.	temperature, or level of proficiency or achievement; a rank or level of
typically used to describe the highest point of a geometric figure such as a	49.	naval vels	n.	a ship or large boat
	50.	graph vex	n.	typically used to describe the highest point of a geometric figure such as a

ANSWERS: 41. appendage, 42. abstract, 43. diameter, 44. tradition, 45. dimension, 46. satisfy, 47. expand, 48. degree, 49. vessel, 50. vertex

51.	a shd for protecting against a bullet	n.	a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
52.	pre-Christian ant	adj.	relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
53.	temporary meI treatment	adj.	relating to the treatment of illness or injuries; relating to the practice of medicine
54.	alte budgets	v.	to give or distribute something, such as resources or duties, to someone or something for a particular purpose
55.	an ary of troops	n.	a large group or collection of things or people, especially one that is impressive or attractive
56.	a meI opinion	adj.	relating to the treatment of illness or injuries; relating to the practice of medicine
57.	sle length	n.	a part of a garment that covers all or part of an arm
58.	say a user's needs	<i>v</i> .	to make somebody pleased by giving them what they want or need
59.	rid rules	adj.	extremely strict and difficult to change or adapt; incapable of or resistant to bending
60.	a coe lens	adj.	curving inward like the inside of a bowl
61.	bachelor's dee	n.	a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of

ANSWERS: 51. shield, 52. ancient, 53. medical, 54. allocate, 55. array, 56. medical, 57. sleeve, 58. satisfy, 59. rigid, 60. concave, 61. degree

academic or professional attainment

62.	trrm heat into power	<i>v</i> .	to change in outward structure or looks;
63.	distance g_p	n.	a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
64.	product intory sale	adj.	intended as an introduction or preliminary; serving as a base or starting point
65.	learn new cots	n.	an idea or principle associated with something abstract
66.	inor decoration	n.	the inside or inner part of something; the space within the walls of a building
67.	dute my efforts	<i>v</i> .	to make or be an exact copy of something; to reproduce something
68.	mae stars	adj.	enormous amount; very heavy and solid
69.	grt surgery	n.	a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods
70.	in an o_d way	adj.	strange or unexpected; not divisible by two
71.	a cot camera	adj.	closely and firmly united or packed together, using very little space; smaller than is usual
72.	a good grounding in matcs	n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 62. transform, 63. gap, 64. introductory, 65. concept, 66. interior, 67. duplicate, 68. massive, 69. graft, 70. odd, 71. compact, 72. mathematics

73.	tra	lly accepted concept	adv.	in accordance with tradition; typically or commonly done in a particular way
74.	int	ory biology text	adj.	intended as an introduction or preliminary; serving as a base or starting point
75.	poisonous	scon	n.	a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
76.	aig de	ployment	n.	a safety device designed to inflate rapidly in the event of a collision, protecting the occupants of a vehicle and reducing the risk of injury or death
77.	scon	fish	n.	a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
78.	new di	on	n.	a measurable extent of a particular kind, such as width, height, or length
79.	basin-shap	oed vay	n.	a long depression on the surface of the land, which typically contains a river
80.	ener	shortage	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
81.	move cl	se	adv.	in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive
82.	corn yid	I	n.	the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

ANSWERS: 73. traditionally, 74. introductory, 75. scorpion, 76. airbag, 77. scorpion, 78. dimension, 79. valley, 80. engineer, 81. clockwise, 82. yield

83.	o_d behavior	adj.	strange or unexpected; not divisible by two
84.	comty theory	n.	the state or quality of being complicated or intricate and difficult to understand
85.	nanure material	<i>n</i> .	a structure that falls in between microscopic and molecular in size
86.	ori art	n.	the Japanese art or practice of folding paper into decorative shapes and figures
87.	micic analysis	adj.	tiny; exceedingly precise and detail-oriented; of or used in microscopy
88.	plenty of inor space	n.	the inside or inner part of something; the space within the walls of a building
89.	are the meeting	<i>v</i> .	to plan, prepare for, and carry out something
90.	a binocular tepe	n.	a device like a tube in shape containing lenses used to magnify and observe distant objects
91.	an abct noun	adj.	based on general ideas, feelings, or qualities and not on any a physical or concrete existence
92.	rent by a diagram	ν.	to speak, act, or be present on behalf of another person or group; to form or constitute
93.	mechanical apge	n.	a part attached to the main body or structure, often with a specific function or purpose; a limb or other body part that projects outward from the main body

ANSWERS: 83. odd, 84. complexity, 85. nanostructure, 86. origami, 87. microscopic, 88. interior, 89. arrange, 90. telescope, 91. abstract, 92. represent, 93. appendage

94. d	ute his action	<i>v</i> .	to make or be an exact copy of something; to reproduce something
95. u	nd the stroller	ν.	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
96. th	ne degree of puy	n.	the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
97. c	ox mirror	adj.	having a surface or outline that curves outward, like the exterior of a ball; having a shape that bulges or curves outward
98. th	nree-dimensional nanure	n.	a structure that falls in between microscopic and molecular in size
99. d	_m collapsing	n.	a wall constructed over a river to block the flow of water, mainly used to generate energy
100.	reon of inclusion	n.	the way two persons or groups of people feel and act toward one another
101.	pete quickly into the skin	<i>v</i> .	to pass into or through something, often by overcoming resistance
102.	rotate clse	adv.	in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive
103.	drn wing	n.	a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous

ANSWERS: 94. duplicate, 95. unfold, 96. purity, 97. convex, 98. nanostructure, 99. dam, 100. relation, 101. penetrate, 102. clockwise, 103. dragon

104. crre of habit	n.	a living being, especially an animal
105. incly cheerful character	adv.	in a way that is very difficult to believe; exceedingly or extremely
106. remove a stt	n.	a small tube or wire mesh device that is used to keep an artery or other body opening open after surgery or other medical procedures
107. a wide sle	<i>n</i> .	a part of a garment that covers all or part of an arm
108. rot attack against the enemy	n.	a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
109. the gle of the sun	ν.	to shine with a bright, harsh, or dazzling light; to stare fiercely or angrily, often with a piercing or threatening gaze; (noun) a strong, bright, and often harsh or uncomfortable light that can be blinding or difficult to look at directly
110. prle of treatment	n.	a fundamental law or truth that explains or controls how something happens or works
111. the characters that rent numbers	<i>v</i> .	to speak, act, or be present on behalf of another person or group; to form or constitute
112. micic inquiry	adj.	tiny; exceedingly precise and detail-oriented; of or used in microscopy
113. blood vels	n.	a ship or large boat

ANSWERS: 104. creature, 105. incredibly, 106. stent, 107. sleeve, 108. rocket, 109. glare, 110. principle, 111. represent, 112. microscopic, 113. vessel

114. the stre of a machine	n.	the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
115. cre in fabric	n.	a line or mark made by folding or wrinkling a surface or material; a slight ridge or fold in fabric or paper caused by pressing or folding
116. d_m-building program	n.	a wall constructed over a river to block the flow of water, mainly used to generate energy
117. pete a cell	v.	to pass into or through something, often by overcoming resistance
118. cardiac stt	n.	a small tube or wire mesh device that is used to keep an artery or other body opening open after surgery or other medical procedures
119. high puy	n.	the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
120. fp out a candle	n.	a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
121. und the story	v.	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
122. mae amounts	adj.	enormous amount; very heavy and solid

ANSWERS: 114. structure, 115. crease, 116. dam, 117. penetrate, 118. stent, 119. purity, 120. flap, 121. unfold, 122. massive

123. sct an image	<i>v</i> .	casting, or other shaping techniques
124. the fp of wings	n.	a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
125. the yid on the bond	n.	the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
126. matcs competition	n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement
127. rot fuel	n.	a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
128. vay bottom	n.	a long depression on the surface of the land, which typically contains a river
129. alte resource	ν.	to give or distribute something, such as resources or duties, to someone or something for a particular purpose
130. gle at my opponent	ν.	to shine with a bright, harsh, or dazzling light; to stare fiercely or angrily, often with a piercing or threatening gaze; (noun) a strong, bright, and often harsh or uncomfortable light that can be blinding or difficult to look at directly
131. scenic vass	n.	the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

ANSWERS: 123. sculpt, 124. flap, 125. yield, 126. mathematics, 127. rocket, 128. valley, 129. allocate, 130. glare, 131. vastness

132. look through a tepe	n.	a device like a tube in shape containing lenses used to magnify and observe distant objects
133. exd a lineup	<i>v</i> .	to increase or to make something greater in size, number, or importance
134. deep cre	<i>n</i> .	a line or mark made by folding or wrinkling a surface or material; a slight ridge or fold in fabric or paper caused by pressing or folding
135. sales repion	n.	the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting
136. dir according to species	ν.	to be not like someone or something in some way
137. cre construction	n.	a large, tall machine used for moving heavy objects by suspending them from a beam or hook
138. fole table	adj.	able to be bent or folded without breaking; designed to fold up into a more compact shape for storage or transportation
139. a capillary te	n.	a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
140. sete video into chapter	<i>v</i> .	to force, take, or pull apart; mark as different
141. a particle dier	n.	the length of a straight line passing through the center of a circle and connecting two points on the circumference

ANSWERS: 132. telescope, 133. expand, 134. crease, 135. representation, 136. differ, 137. crane, 138. foldable, 139. tube, 140. separate, 141. diameter

142. sct prototype	<i>v</i> .	to create a work of art by carving, casting, or other shaping techniques
143. fole bike	adj.	able to be bent or folded without breaking; designed to fold up into a more compact shape for storage or transportation
144. against tron	n.	a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
145. get incly insecure	adv.	in a way that is very difficult to believe; exceedingly or extremely
146. cox surface	adj.	having a surface or outline that curves outward, like the exterior of a ball; having a shape that bulges or curves outward
147. cognitive comty	n.	the state or quality of being complicated or intricate and difficult to understand
148. the list was ared alphabetically	v.	to plan, prepare for, and carry out something
149. sete cream from milk	v.	to force, take, or pull apart; mark as different
150. the g_p between ideal and reality	n.	a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
151. tesion pattern	n.	a pattern consisting of a repeated geometric shape or motif that covers a surface entirely without any gaps or overlaps

ANSWERS: 142. sculpt, 143. foldable, 144. tradition, 145. incredibly, 146. convex, 147. complexity, 148. arrange, 149. separate, 150. gap, 151. tessellation

152. or\_\_\_\_i paper

n. the Japanese art or practice of folding paper into decorative shapes and figures

ANSWERS: 152. origami

# **Session 3: Fill in the Blanks**

1.	My father's death my life completely.
<i>v</i> .	to change in outward structure or looks;
2. v.	The sun down on us, making it difficult to see without squinting our eyes. to shine with a bright, harsh, or dazzling light; to stare fiercely or angrily, often with a piercing or threatening gaze; (noun) a strong, bright, and often harsh or uncomfortable light that can be blinding or difficult to look at directly
3.	Did this response your request?
v.	to make somebody pleased by giving them what they want or need
4.	He rolled up his to get ready to work.
n.	a part of a garment that covers all or part of an arm
5.	I need to plans with him for the celebration.
v.	to plan, prepare for, and carry out something
6.	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
7.	The company a portion of its profits to developing new products.
<i>v</i> .	to give or distribute something, such as resources or duties, to someone or something for a particular purpose
8.	The of the tent was open, letting in the fresh air.
n.	a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
	SWERS: 1. transformed, 2. glared, 3. satisfy, 4. sleeves, 5. arrange, 6. tradition, 7 ocated, 8. flap

9.	The of getting the disease will drastically increase.
n.	a chance that something may happen or be true
10.	The spider's allowed it to climb up the wall easily.
n.	a part attached to the main body or structure, often with a specific function or purpose; a limb or other body part that projects outward from the main body
11.	This feature of the material is a result of its
n.	a structure that falls in between microscopic and molecular in size
12.	In Chinese mythology, are considered powerful and benevolent creatures.
n.	a mythical monster typically depicted as a giant reptile with wings, claws, and a fiery breath often portrayed as being fierce and dangerous
13.	The on the floor created a beautiful pattern with interlocking shapes.
n.	a pattern consisting of a repeated geometric shape or motif that covers a surface entirely without any gaps or overlaps
14.	the text from Italian into English.
ν.	to convert or change words into another language
15.	The train was packed with commuters during rush hour.
n.	a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
16.	He has a flair for
n.	the science dealing with the logic of quantities, shapes, spaces, and arrangement
	SWERS: 9. possibility, 10. appendage, 11. nanostructure, 12. dragons, 13. sellation, 14. Translate, 15. tube, 16. mathematics

The shirt had a noticeable along the sleeve from being folded.
a line or mark made by folding or wrinkling a surface or material; a slight ridge or fold in fabric or paper caused by pressing or folding
I love making cranes during my free time.
the Japanese art or practice of folding paper into decorative shapes and figures
Higher requires additional equipment and energy.
the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
Many people are working together to close the gender
a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
We elected him to us at the international conference.
to speak, act, or be present on behalf of another person or group; to form or constitute
The bowl was and held the water perfectly.
curving inward like the inside of a bowl
The airline allows passengers to bring a stroller on board.
able to be bent or folded without breaking; designed to fold up into a more compact shape for storage or transportation
The customer on the Internet has to choose one from a formidable of products.
a large group or collection of things or people, especially one that is impressive or attractive
SWERS: 17. crease, 18. origami, 19. purity, 20. gap, 21. represent, 22. concave, foldable, 24. array

25.	A business plan is a for your success.
n.	a photographic print of an early plan for a building or machine
26.	The mystery as the detectives gathered more clues.
<i>v</i> .	to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
27.	They have been living near water since times.
adj	<ul> <li>relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old</li> </ul>
28.	The patient's skin procedure was successful, and he was released from the hospital.
n.	a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods
29.	The carousel rotates at a slow pace.
adv	in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow
30.	He was unpopular because of his adherence to the rules.
adj	extremely strict and difficult to change or adapt; incapable of or resistant to bending
31.	The team worked quickly to save the patient's life.
adj	relating to the treatment of illness or injuries; relating to the practice of medicine
32.	The painter focused on the moody of abandoned buildings in his work.
n.	the inside or inner part of something; the space within the walls of a building
	SWERS: 25. blueprint, 26. unfolded, 27. ancient, 28. graft, 29. counterclockwise, rigid, 31. medical, 32. interiors

33.	A person who has been declared incompetent should have legal
n.	the act of speaking, acting, or being present on behalf of someone officially; a statement of facts and reasons made in appealing or protesting
34.	His grandfather was an man.
adj	strange or unexpected; not divisible by two
35.	Efficiency isn't an essential here; fairness is.
n.	a fundamental law or truth that explains or controls how something happens or works
36.	The construction workers used a to lift the heavy beams.
n.	a large, tall machine used for moving heavy objects by suspending them from a beam or hook
37.	The break in the threatened the valley.
n.	a wall constructed over a river to block the flow of water, mainly used to generate energy
38.	The will repair my telephone tomorrow morning.
n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
39.	The launch platform is visible from this hill.
n.	a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
40.	This facility has the largest astronomical in the country.
n.	a device like a tube in shape containing lenses used to magnify and observe distant objects
	SWERS: 33. representation, 34. odd, 35. principle, 36. crane, 37. dam, 38. gineer, 39. rocket, 40. telescope

41.	The system in the car saved the driver's life in a severe crash.
n.	a safety device designed to inflate rapidly in the event of a collision, protecting the occupants of a vehicle and reducing the risk of injury or death
42.	The invention of the camera triggered the development of painting.
adj.	based on general ideas, feelings, or qualities and not on any a physical or concrete existence
43.	We need to turn the knob to lock the door.
adv.	in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive
44.	She received her in psychology from the university.
n.	a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
45.	She a quick picture of the beautiful sunset before it disappeared.
v.	to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
46.	The company's stock gives a high
n.	the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
	The magnifying glass had a shape, allowing for a better view of the specimen.
adj.	having a surface or outline that curves outward, like the exterior of a ball; having a shape that bulges or curves outward
48.	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
	SWERS: 41. airbag, 42. abstract, 43. clockwise, 44. degree, 45. snapped, 46. d, 47. convex, 48. structure

49.	Lead is an effective against X-rays, gamma rays, and other harmful radiation.
n.	a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
50.	The two products in their quality and price.
<i>v</i> .	to be not like someone or something in some way
51.	The of the ocean was awe-inspiring and humbling.
n.	the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
52.	The had received a mild snowfall the previous week.
n.	a long depression on the surface of the land, which typically contains a river
53. n.	The arrived in port the following day.  a ship or large boat
54.	The venom can be lethal to humans.
n.	a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
55.	The recent economic downturn has resulted in layoffs.
adj	enormous amount; very heavy and solid
56.	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
57.	The chairs were easy to set up and take down for the event.
adj	capable of being folded or bent; having one or more sections that can be folded or collapsed for easier storage or transportation
	SWERS: 49. shield, 50. differed, 51. vastness, 52. valley, 53. vessel, 54. rpion's, 55. massive, 56. complexity, 57. folding

58. Draw a circle five centimeters in
n. the length of a straight line passing through the center of a circle and connecting two points on the circumference
59. The of the triangle is located at the top point.
n. the highest point or apex of something, typically used to describe the highest point of a geometric figure such as a vertex of a triangle or a pyramid
60. I need to this document before I send it.
$\nu$ . to make or be an exact copy of something; to reproduce something
61. One such rapidly growing is quantum cryptography.
n. an idea or principle associated with something abstract
62. Overall are approximately 400x200mm.
n. a measurable extent of a particular kind, such as width, height, or length
63. We need to the aspect of his personality from the part of his competence when making an investment decision.
v. to force, take, or pull apart; mark as different
64. The class was designed to give students a basic understanding of the subject.
adj. intended as an introduction or preliminary; serving as a base or starting point
65. Inspectors noticed cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
66. Western ideology slowly through the eastern countries.
ν. to pass into or through something, often by overcoming resistance
ANSWERS: 58. diameter, 59. vertex, 60. duplicate, 61. concept, 62. dimensions, 63 separate, 64. introductory, 65. microscopic, 66. penetrates

adj. closely and firmly united or packed together, using very little space; smaller than is usual

70. We need to \_\_\_\_\_ our products in an attractive way to attract customers.

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

71. The industrial \_\_\_\_\_ laws were passed with little to no alteration.

n. the way two persons or groups of people feel and act toward one another

72. \_\_\_\_\_ the ceremony was held outdoors.

69. Two countries acted together as if by \_\_\_\_\_\_.

adv. in accordance with tradition; typically or commonly done in a particular way

73. The doctor inserted a \_\_\_\_\_ into the patient's artery to keep it open.

n. a small tube or wire mesh device that is used to keep an artery or other body opening open after surgery or other medical procedures

74. There was no \_\_\_\_\_ between their proposals.

v. to partially cover something by going beyond its edge

75. He spent hours every day \_\_\_\_\_ figures out of clay.

v. to create a work of art by carving, casting, or other shaping techniques

ANSWERS: 67. creature, 68. expand, 69. compact, 70. display, 71. relations, 72. Traditionally, 73. stent, 74. overlap, 75. sculpting

76. Several cities are experiencing	high unemployment rates.
adv. in a way that is very difficult to believe; exceedingly or extremely	

ANSWERS: 76. incredibly