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Vocabulary Builder Reference from...

Manuel Lima: A visual history of human knowledge | TED Talk

https://www.ted.com/talks/manuel_lima_a_visual_hist ory_of_human_knowledge



Advanced Words Only

IMPORTANT

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Session 1: Word List

visualize

v. to form a mental image or concept of something; to make something visible

synonym: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space She tried to **visualize** the layout of the new house in her mind.

nobleman

n. a man of high rank or statussynonym: aristocrat, noble, gentleman

(1) **nobleman** title, (2) a Bohemian **nobleman**

The young **nobleman** lived in a grand palace with high social status.

ontology

 a branch of metaphysics concerned with the nature of being and the existence

synonym: metaphysics, philosophy of being, study of existence

(1) medical **ontology**, (2) **ontology** theory

The **ontology** of the universe is a complex and constantly evolving concept.

consanguineous

adj. relating to or descended from the same bloodline or common ancestor; having a close familial or genetic relationship synonym: related, kindred, familial

(1) **consanguineous** relationship, (2) **consanguineous** descendants

The royal family practiced **consanguineous** marriages to maintain their bloodline.

archetype

 a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature

synonym: prototype, model, paradigm

(1) archetype symbol, (2) feminine archetype

The hero's journey is a common **archetype** in many myths and stories.

embody

v. to represent or exemplify something; to give tangible form to an abstract idea

synonym: represent, exemplify, personify

(1) **embody** my goal, (2) **embody** a spirit of charity The company's new products **embody** the values of innovation and sustainability.

intricate

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

synonym: complicated, convoluted, complex

(1) intricate details, (2) intricate lacework

The politician managed to deal with that intricate issue.

symphony

 a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

synonym: orchestra, harmony, concert

- (1) a **symphony** orchestra, (2) a beautiful **symphony** The frequent performances of the **symphony** prove its popularity.
- a cell that is specialized to carry information within the brain and between the brain and other parts of the body

neuron

synonym: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

neocortex

 n. the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making

synonym: prefrontal lobe, cerebral cortex, forebrain

(1) stored in **neocortex**, (2) **neocortex** function

The cerebral **neocortex** is responsible for higher brain functions such as decision-making and problem-solving.

conceive

v. to have or develop an idea, a plan, etc. in mind; to become pregnant

synonym: imagine, envision, concoct

(1) **conceive** of an idea, (2) **conceive** a child I can't **conceive** he'd want to harm us.

bastion

- n. a strong fortress or a stronghold that defends or protectssynonym: stronghold, fortification, bulwark
- (1) **bastion** of good sense, (2) a **bastion** against corruption The ancient fortification served as a **bastion** of defense against invaders for centuries.

enlightenment

 n. education that results in understanding and the spread of knowledge

synonym: civilization, awareness, sophistication

(1) spiritual **enlightenment**, (2) **enlightenment** activity He finally brought his **enlightenment** to perfection.

Wikipedia

 an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics

synonym: online encyclopedia, webpedia

(1) Wikipedia entry, (2) Wikipedia article

Not all teachers accept citing **Wikipedia** as a valid source for academic papers.

rhizome

a root-like stem that grows horizontally underground, producing both roots and shoots to form new plants
 synonym: rhizoid, rootstalk, creeping rootstock

(1) **rhizome** network, (2) underground **rhizome**The **rhizome** of the plant allows it to spread and create new shoots.

interdependent

adj. depending on each other; mutually reliant or interconnected

synonym: interconnected, interrelated, mutual

(1) **interdependent** systems, (2) develop **interdependent** skills

In nature, all living things are **interdependent** and rely on each other for survival.

decentralize

v. to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones

synonym: deconcentrate, disperse, distribute

(1) **decentralize** authority, (2) **decentralize** organizational structure

We need to **decentralize** our data to recover quickly from a disaster.

predator

- n. an animal whose natural behavior is to prey on otherssynonym: vulture, bloodsucker
- (1) apex **predator**, (2) sexual **predators**The native South American animals were in danger because of the **predator's** arrival.

depict

- v. to illustrate someone or something in a photograph synonym: illustrate, describe, express
- (1) depict a scene, (2) depict a feeling of isolation

His son had accurately **depicted** the bloom.

codfish

- a common name for various species of edible fish belonging to the family Gadidae, typically having elongated bodies and a flaky white flesh
- salted codfish, (2) grilled codfish
 love eating fresh codfish with lemon and herbs.

abound

- v. to exist in large numbers or quantities synonym: flourish, proliferate, thrive
- (1) fish **abound** in this river, (2) **abound** with screaming children

Rumors **abound** as to the reasons for her resignation.

taxonomy

n. the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area

synonym: classification, categorization, hierarchy

(1) **taxonomy** system, (2) biological **taxonomy**The **taxonomy** of insects is incredibly complex due to the huge number of species.

fascinate

 to attract and hold the attention of someone deeply and irresistibly

synonym: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young The magic tricks **fascinated** the children.

typology

n. the study or classification of types or patterns, particularly in terms of objects, concepts, or characteristics; a system or method of categorizing or organizing things into specific types or groups based on shared traits or attributes

synonym: classification, categorization, taxonomy

(1) **typology** study, (2) psychological **typology**

The linguist studied the **typology** of languages across different regions.

convergent

adj. tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge

synonym: merging, meeting

(1) convergent beam, (2) convergent thinking The similarities between the two cultures suggest convergent evolution.

disparate

adj. very different or distinct from something else and is not connected or comparable in any way

synonym: different, distinct, separate

- (1) **disparate** impact, (2) physically **disparate** location The organization worked to bring together **disparate** groups in the community.
- a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online

synonym: buzzword, trend

(1) pronounce **meme**, (2) religious **meme**

This cute dog's photo spread around the world as an Internet meme.

enamel

a hard, glossy coating that is applied to surfaces such as metal, glass, or ceramics to protect them from wear, corrosion, or weathering; the hard, white outer layer of teeth

synonym: glaze, varnish, coating

(1) **enamel** coating, (2) **enamel** mugs

The dentist recommended using toothpaste with extra

meme

enamel protection to prevent cavities.

pollination

n. the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds

synonym: flowering, fertilization, cross-fertilization

(1) **pollination** by insect, (2) the cross-**pollination** of the arts

The **pollination** process is crucial for the growth and reproduction of many plants.

graphite

 a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices

synonym: carbon, black lead, plumbago

(1) graphite pencil, (2) graphite mine

The **graphite** in the brake pads helps to reduce friction during braking.

filament

 a thin wire or thread, especially one used to produce light in an electric bulb

synonym: fiber, thread, filament

(1) filament lamp, (2) carbon filament

The **filament** in the light bulb burned out, and now it's not working.

droplet

n. a small drop of liquid

synonym: bead, drip, dewdrop

(1) droplet size, (2) droplet formation

A single **droplet** of water can reflect the entire world upside down.

interconnect

v. to connect similar things

synonym: interlink, complect, annex

(1) directly **interconnect** with those systems, (2) human

activities **interconnect** with the environment Our system can now **interconnect** with other databases.

interdependence

- n. the fact or state of depending on each othersynonym: relation, interconnection, linkage
- (1) **interdependence** of mind and body, (2) global **interdependence**

The diplomatic rivalry between the two countries has strengthened the **interdependence** of their intra-regional supply chains for their manufacturing industries.

decode

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

synonym: decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences. The software could **decode** the encrypted data and reveal the hidden information.

recreate

v. to make something that existed previously happen or appear to exist again

synonym: renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

coincident

adj. happening or operating in the same place or at the same time

synonym: concurrent, accompanying, coextensive

(1) **coincident** indicators, (2) a series of **coincident** events **Coincident** with the negotiation, the bank was permitted to open a Beijing branch.

Session 2: Spelling

1. a sy___ny orchestra

 a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

2. pronounce m e

n. a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online

3. on___gy theory

 a branch of metaphysics concerned with the nature of being and the existence

4. fa____te the public

v. to attract and hold the attention of someone deeply and irresistibly

5. ability to de___e the differences

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

6. de___e a message

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

7. a Bohemian no____an

n. a man of high rank or status

8. fish ab___d in this river

v. to exist in large numbers or quantities

ANSWERS: 1. symphony, 2. meme, 3. ontology, 4. fascinate, 5. decode, 6. decode, 7. nobleman, 8. abound

9.	develop intent skills	adj.	depending on each other; mutually reliant or interconnected
10.	drt size	n.	a small drop of liquid
11.	excite the nens	n.	a cell that is specialized to carry information within the brain and between the brain and other parts of the body
12.	polon by insect	n.	the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds
13.	arpe symbol	n.	a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature
14.	global intnce	n.	the fact or state of depending on each other
15.	enlent activity	n.	education that results in understanding and the spread of knowledge
16.	coint indicators	adj.	happening or operating in the same place or at the same time
17.	nen cell body	n.	a cell that is specialized to carry information within the brain and between the brain and other parts of the body
18.	rhe network	n.	a root-like stem that grows horizontally underground, producing both roots and shoots to form new plants

ANSWERS: 9. interdependent, 10. droplet, 11. neuron, 12. pollination, 13. archetype, 14. interdependence, 15. enlightenment, 16. coincident, 17. neuron, 18. rhizome

directly inte systems	ect with those	<i>v</i> .	to connect similar things
Wiia article		n.	an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics
conous	relationship	adj.	relating to or descended from the same bloodline or common ancestor; having a close familial or genetic relationship
enI mugs		n.	a hard, glossy coating that is applied to surfaces such as metal, glass, or ceramics to protect them from wear, corrosion, or weathering; the hard, white outer layer of teeth
dite impact		adj.	very different or distinct from something else and is not connected or comparable in any way
the cross-pol	on of the arts	n.	the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds
religious me		n.	a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rathe than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online
	systems Wiia article conous enI mugs dite impact	Wiia article conous relationship enI mugs dite impact the cross-polon of the arts	systems Wiia article n. conous relationship adj. enI mugs n. dite impact adj. the cross-polon of the arts n.

ANSWERS: 19. interconnect, 20. Wikipedia, 21. consanguineous, 22. enamel, 23. disparate, 24. pollination, 25. meme

26.	neex function	n.	the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making
27.	grte mine	n.	a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices
28.	fint lamp	n.	a thin wire or thread, especially one used to produce light in an electric bulb
29.	physically dite location	adj.	very different or distinct from something else and is not connected or comparable in any way
30.	feminine arpe	n.	a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature
31.	decize organizational structure	v.	to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones
32.	intnce of mind and body	n.	the fact or state of depending on each other
33.	emy my goal	<i>v</i> .	to represent or exemplify something; to give tangible form to an abstract idea
34.	conous descendants	adj.	relating to or descended from the same bloodline or common ancestor; having a close familial or genetic relationship

ANSWERS: 26. neocortex, 27. graphite, 28. filament, 29. disparate, 30. archetype, 31. decentralize, 32. interdependence, 33. embody, 34. consanguineous

35.	stored in neex	n.	the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making
36.	fate the young	<i>v</i> .	to attract and hold the attention of someone deeply and irresistibly
37.	vize flying through space	<i>v</i> .	to form a mental image or concept of something; to make something visible
38.	apex pror	n.	an animal whose natural behavior is to prey on others
39.	tamy system	n.	the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area
40.	det a feeling of isolation	<i>v</i> .	to illustrate someone or something in a photograph
41.	det a scene	<i>v</i> .	to illustrate someone or something in a photograph
42.	inte lacework	adj.	having many different parts and small details that all work together
43.	drt formation	n.	a small drop of liquid
44.	vize data	<i>v</i> .	to form a mental image or concept of something; to make something visible
45.	tygy study	n.	the study or classification of types or patterns, particularly in terms of objects, concepts, or characteristics; a system or method of categorizing or organizing things into specific types or groups based on shared traits or attributes

ANSWERS: 35. neocortex, 36. fascinate, 37. visualize, 38. predator, 39. taxonomy, 40. depict, 41. depict, 42. intricate, 43. droplet, 44. visualize, 45. typology

46.	inte details	adj.	having many different parts and small details that all work together
47.	a beautiful syny	n.	a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
48.	connt thinking	adj.	tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge
49.	grilled coh	n.	a common name for various species of edible fish belonging to the family Gadidae, typically having elongated bodies and a flaky white flesh
50.	cove of an idea	<i>v</i> .	to have or develop an idea, a plan, etc. in mind; to become pregnant
51.	psychological tygy	n.	the study or classification of types or patterns, particularly in terms of objects, concepts, or characteristics; a system or method of categorizing or organizing things into specific types or groups based on shared traits or attributes
52.	decize authority	<i>v</i> .	to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones
53.	abd with screaming children	<i>v</i> .	to exist in large numbers or quantities
54.	rete a single country	<i>v</i> .	to make something that existed previously happen or appear to exist again

ANSWERS: 46. intricate, 47. symphony, 48. convergent, 49. codfish, 50. conceive, 51. typology, 52. decentralize, 53. abound, 54. recreate

55.	spiritual enlent	n.	education that results in understanding and the spread of knowledge
56.	sexual prors	n.	an animal whose natural behavior is to prey on others
57.	connt beam	adj.	tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge
58.	a series of coint events	adj.	happening or operating in the same place or at the same time
59.	intent systems	adj.	depending on each other; mutually reliant or interconnected
60.	cove a child	<i>v</i> .	to have or develop an idea, a plan, etc. in mind; to become pregnant
61.	grte pencil	n.	a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices
62.	Wiia entry	n.	an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics
63.	biological tamy	n.	the classification or scientific study of organisms, including their relationships to each other, based on shared characteristics and traits; a system of organizing and categorizing information in a particular field or subject area

ANSWERS: 55. enlightenment, 56. predator, 57. convergent, 58. coincident, 59. interdependent, 60. conceive, 61. graphite, 62. Wikipedia, 63. taxonomy

64.	human activities intect with the environment	ν.	to connect similar things
65.	underground rhe	n.	a root-like stem that grows horizontally underground, producing both roots and shoots to form new plants
66.	ban of good sense	n.	a strong fortress or a stronghold that defends or protects
67.	salted coh	n.	a common name for various species of edible fish belonging to the family Gadidae, typically having elongated bodies and a flaky white flesh
68.	rete the feeling of the 1920s	<i>v</i> .	to make something that existed previously happen or appear to exist again
69.	enI coating	n.	a hard, glossy coating that is applied to surfaces such as metal, glass, or ceramics to protect them from wear, corrosion, or weathering; the hard, white outer layer of teeth
70.	emy a spirit of charity	<i>v</i> .	to represent or exemplify something; to give tangible form to an abstract idea
71.	medical ongy	n.	a branch of metaphysics concerned with the nature of being and the existence
72.	noan title	n.	a man of high rank or status
73.	carbon fint	n.	a thin wire or thread, especially one used to produce light in an electric bulb
74.	a ban against corruption	n.	a strong fortress or a stronghold that defends or protects

ANSWERS: 64. interconnect, 65. rhizome, 66. bastion, 67. codfish, 68. recreate, 69. enamel, 70. embody, 71. ontology, 72. nobleman, 73. filament, 74. bastion

Vocab-Builder Ref from	"Manuel Lima: A visual history of human knowledge	TED Talk" (37 words)
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ANSWERS:		

Session 3: Fill in the Blanks

1.	The frequent performances of the prove its popularity.
n.	a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
2.	She the atmosphere of the pre-war age with her stage setting.
v.	to make something that existed previously happen or appear to exist again
3.	The process is crucial for the growth and reproduction of many plants.
n.	the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds
4.	The in the light bulb burned out, and now it's not working.
n.	a thin wire or thread, especially one used to produce light in an electric bulb
5.	Rumors as to the reasons for her resignation.
v.	to exist in large numbers or quantities
6.	The young lived in a grand palace with high social status.
n.	a man of high rank or status
7.	The of the plant allows it to spread and create new shoots.
n.	a root-like stem that grows horizontally underground, producing both roots and shoots to form new plants
8.	The diplomatic rivalry between the two countries has strengthened the of their intra-regional supply chains for their manufacturing
	industries.
n.	the fact or state of depending on each other
	SWERS: 1. symphony, 2. recreated, 3. pollination, 4. filament, 5. abound, 6. poleman, 7. rhizome, 8. interdependence

9.	This cute dog's photo spread around the world as an Internet
n.	a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online
10.	The in the brake pads helps to reduce friction during braking.
n.	a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices
11.	The software could the encrypted data and reveal the hidden information.
v.	to convert something, such as a message or piece of information, from a specific form into one that you can understand
12.	Our body transfers information along each using an electrical impulse.
n.	a cell that is specialized to carry information within the brain and between the brain and other parts of the body
13.	The hero's journey is a common in many myths and stories.
n.	a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature
14.	A single of water can reflect the entire world upside down.
n.	a small drop of liquid
15.	We need to our data to recover quickly from a disaster.
ν.	to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones
	SWERS: 9. meme, 10. graphite, 11. decode, 12. neuron, 13. archetype, 14. plet, 15. decentralize

ANSWERS: 16. ontology, 17. taxonomy, 18. interconnect, 19. consanguineous, 20. depicted, 21. codfish, 22. enamel

23.	The magic tricks the children.
<i>v</i> .	to attract and hold the attention of someone deeply and irresistibly
24.	She tried to the layout of the new house in her mind.
<i>v</i> .	to form a mental image or concept of something; to make something visible
25.	The native South American animals were in danger because of the arrival.
n.	an animal whose natural behavior is to prey on others
26.	The similarities between the two cultures suggest evolution.
adj	tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge
27.	The company's new products the values of innovation and sustainability.
<i>v</i> .	to represent or exemplify something; to give tangible form to an abstract idea
28.	Not all teachers accept citing as a valid source for academic papers.
n.	an online encyclopedia that allows users to contribute and edit articles collaboratively; a vast and frequently updated repository of information on a wide range of topics
29.	The linguist studied the of languages across different regions.
n.	the study or classification of types or patterns, particularly in terms of objects, concepts, or characteristics; a system or method of categorizing or organizing things into specific types or groups based on shared traits or attributes
30.	The cerebral is responsible for higher brain functions such as decision-making and problem-solving.
n.	the part of the cerebral cortex that is responsible for higher brain functions such as conscious thought and decision-making
	SWERS: 23. fascinated, 24. visualize, 25. predator's, 26. convergent, 27. embody, Wikipedia, 29. typology, 30. neocortex

31.	with the negotiation, the bank was permitted to open a Beijing
	branch.
adj	happening or operating in the same place or at the same time
32.	In nature, all living things are and rely on each other for survival.
adj	depending on each other; mutually reliant or interconnected
33.	The politician managed to deal with that issue.
adj	having many different parts and small details that all work together
34.	He finally brought his to perfection.
n.	education that results in understanding and the spread of knowledge
35.	The organization worked to bring together groups in the community
adj	very different or distinct from something else and is not connected or comparable in any way
36.	The ancient fortification served as a of defense against invaders for centuries.
n.	a strong fortress or a stronghold that defends or protects
37.	I can't he'd want to harm us.
v.	to have or develop an idea, a plan, etc. in mind; to become pregnant
	SWERS: 31. Coincident, 32. interdependent, 33. intricate, 34. enlightenment, 35 parate, 36. bastion, 37. conceive