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Vocabulary Builder Reference from...

Sougwen Chung: Why I draw with robots | TED Talk
https://www.ted.com/talks/sougwen_chung_why_i_drawing_with_robots

Advanced Words Only

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Session 1: Word List

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

fascination

n. the state of being intensely interested in someone or something, or a powerful attraction

synonym: allure, attraction, charm

(1) rapt in **fascination**, (2) the **fascination** with classical music

I looked at the painting in **fascination**.

entail

v. to involve or require something as necessary, particularly as a consequence of a particular situation or action; to impose a burden or restriction on something

synonym: involve, necessitate, require

(1) **entail** legal consequences, (2) **entail** risks

The job offer **entails** a lot of responsibility and hard work.

intersect

v. to meet or cross one another

synonym: cross, bisect, cut

(1) **intersect** at a point, (2) railways **intersect** the country

Her multidisciplinary works **intersect** music and picture with

writing.

doe *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
synonym : rabbit, bunny, hare
(1) **doe** rabbit, (2) buck and **doe**
Hunters use a whistle that makes the **doe** sound to lure stags.

imperfectly *adv.* in a faulty or incomplete way
synonym : amiss, insufficiently, clumsily
(1) **imperfectly** developed, (2) **imperfectly** known disease
He created an **imperfectly** shaped torso.

robotic *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
synonym : automated, mechanical, laborsaving
(1) **robotic** arm, (2) **robotic** guide operation
The surgeon removed the tumor using **robotic** video assistance.

mimic *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
synonym : mirror, imitate, ape
(1) **mimic** a human voice, (2) **mimic** numerous instruments
He is very popular at school because he can **mimic** all the teachers' accents.

sparse *adj.* only in small quantities or numbers and often spread over a wide area
synonym : scarce, exiguous, infrequent
(1) a **sparse** population, (2) **sparse** snowfall
There is a **sparse** area between galaxies.

servo *n.* a type of motor or mechanism used to control the position or movement of a machine or device, often

used in robotics, automation, and other applications

synonym: actuator, motor, controller

(1) analog **servo**, (2) **servo** controller

A **servo** motor controlled the robot's movements.

punctuate

v. to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically

synonym: emphasize, accent, mark

(1) **punctuate** a sentence, (2) **punctuate** his talk

Strikes had also **punctuated** the preceding weeks.

falter

v. to hesitate or stumble in action or speech; to lose strength or momentum; to become unsteady or shaky

synonym: hesitate, stumble, waver

(1) **falter** in decision-making, (2) **falter** in speech

My confidence began to **falter** as I gave my presentation in front of the class.

pristine

adj. new and completely free from dirt or contamination

synonym: chaste, pure, immaculate

(1) **pristine** beach, (2) maintain the **pristine** condition

It is terrific to camp in **pristine** nature.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

painstaking

adj. cautious and correct, and requiring a significant amount of effort

synonym: detailed, meticulous, conscientious

(1) **painstaking** research, (2) a **painstaking** student

The training of a hawk was a **painstaking** process.

malleable

adj. able to be easily shaped, molded, or manipulated, particularly in a physical or metaphorical sense; capable

of being adapted or changed according to different circumstances or situations

synonym : flexible, adaptable, pliable

(1) **malleable** clay, (2) **malleable** attitude

Gold is a **malleable** metal that can be easily shaped into different forms.

omnipotent

adj. having unlimited power or authority; able to do anything or control everything

synonym : all-powerful, supreme, almighty

(1) **omnipotent** ruler, (2) feeling **omnipotent**

The company's CEO was seen as **omnipotent**, making all major decisions without consulting anyone.

nonhuman

adj. not human; belonging to or characteristic of animals or things rather than people

synonym : inhuman, animal, artificial

(1) **nonhuman** species, (2) **nonhuman** intelligence

The experiment was conducted on **nonhuman** primates.

posit

v. to suggest or accept something as fact or as a basis for argument or consideration

synonym : assert, declare, assume

(1) **posit** the existence of life after death, (2) **posit** the premise

We should **posit** several hypotheses to discuss the matter.

reimagine

v. to imagine or conceive of something in a new or different way

synonym : re-conceptualize, re-envision, re-create

(1) **reimagine** the future, (2) **reimagine** the possibilities

The company is trying to **reimagine** its business model to stay competitive.

biometric

adj. relating to the measurement and analysis of unique physical or behavioral characteristics of an individual,

such as fingerprints or voice patterns, often used for identification or security purposes; (noun, **biometrics**) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

(1) **biometric** recognition, (2) **biometrics** for visitors

The new smartphone has **biometric** authentication, such as facial recognition and fingerprint scanning.

Session 2: Spelling

1. ro____c arm
adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
2. pu_____te his talk
v. to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically
3. buck and d_e
n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
4. imp_____ly developed
adv. in a faulty or incomplete way
5. ex___e rebellion
v. to make someone feel suddenly enthusiastic or eager
6. sp___e snowfall
adj. only in small quantities or numbers and often spread over a wide area
7. re_____ne the future
v. to imagine or conceive of something in a new or different way
8. se__o controller
n. a type of motor or mechanism used to control the position or movement of a machine or device, often used in robotics, automation, and other applications
9. in_____ct at a point
v. to meet or cross one another
10. en___l legal consequences
v. to involve or require something as necessary, particularly as a consequence of a particular situation or action; to impose a burden or restriction on something

ANSWERS: 1. robotic, 2. punctuate, 3. doe, 4. imperfectly, 5. excite, 6. sparse, 7. reimagine, 8. servo, 9. intersect, 10. entail

11. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
12. bi_____ics for visitors *adj.* relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals
13. omn_____nt ruler *adj.* having unlimited power or authority; able to do anything or control everything
14. analog se__o *n.* a type of motor or mechanism used to control the position or movement of a machine or device, often used in robotics, automation, and other applications
15. ma_____le attitude *adj.* able to be easily shaped, molded, or manipulated, particularly in a physical or metaphorical sense; capable of being adapted or changed according to different circumstances or situations
16. imp_____ly known disease *adv.* in a faulty or incomplete way
17. railways in_____ct the country *v.* to meet or cross one another
18. pu_____te a sentence *v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically

ANSWERS: 11. mimic, 12. biometric, 13. omnipotent, 14. servo, 15. malleable, 16. imperfectly, 17. intersect, 18. punctuate

19. bi_____ic recognition *adj.* relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals
20. a sp___e population *adj.* only in small quantities or numbers and often spread over a wide area
21. a pai_____ng student *adj.* cautious and correct, and requiring a significant amount of effort
22. fa___r in decision-making *v.* to hesitate or stumble in action or speech; to lose strength or momentum; to become unsteady or shaky
23. rapt in fas_____on *n.* the state of being intensely interested in someone or something, or a powerful attraction
24. maintain the pr_____ne condition *adj.* new and completely free from dirt or contamination
25. fa___r in speech *v.* to hesitate or stumble in action or speech; to lose strength or momentum; to become unsteady or shaky
26. ro_____c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 19. biometric, 20. sparse, 21. painstaking, 22. falter, 23. fascination, 24. pristine, 25. falter, 26. robotic

27. po__t the existence of life after death
v. to suggest or accept something as fact or as a basis for argument or consideration
28. po__t the premise
v. to suggest or accept something as fact or as a basis for argument or consideration
29. feeling omn_____nt
adj. having unlimited power or authority; able to do anything or control everything
30. en___l risks
v. to involve or require something as necessary, particularly as a consequence of a particular situation or action; to impose a burden or restriction on something
31. ex___e the crowd
v. to make someone feel suddenly enthusiastic or eager
32. mi__c numerous instruments
v. to imitate someone's speech, movement, or behavior, especially to make others laugh
33. re_____ne the possibilities
v. to imagine or conceive of something in a new or different way
34. pai_____ng research
adj. cautious and correct, and requiring a significant amount of effort
35. pr_____ne beach
adj. new and completely free from dirt or contamination
36. d_e rabbit
n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
37. the fas_____on with classical music
n. the state of being intensely interested in someone or something, or a powerful attraction

ANSWERS: 27. posit, 28. posit, 29. omnipotent, 30. entail, 31. excite, 32. mimic, 33. reimagine, 34. painstaking, 35. pristine, 36. doe, 37. fascination

38. ma_____le clay *adj.* able to be easily shaped, molded, or manipulated, particularly in a physical or metaphorical sense; capable of being adapted or changed according to different circumstances or situations
39. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
40. no_____an intelligence *adj.* not human; belonging to or characteristic of animals or things rather than people
41. no_____an species *adj.* not human; belonging to or characteristic of animals or things rather than people
42. ind_____us student *adj.* hardworking, diligent, and persistent in effort

ANSWERS: 38. malleable, 39. industrious, 40. nonhuman, 41. nonhuman, 42. industrious

Session 3: Fill in the Blanks

1. The company's CEO was seen as _____ making all major decisions without consulting anyone.
adj. having unlimited power or authority; able to do anything or control everything
2. He is very popular at school because he can _____ all the teachers' accents.
v. to imitate someone's speech, movement, or behavior, especially to make others laugh
3. Gold is a _____ metal that can be easily shaped into different forms.
adj. able to be easily shaped, molded, or manipulated, particularly in a physical or metaphorical sense; capable of being adapted or changed according to different circumstances or situations
4. The surgeon removed the tumor using _____ video assistance.
adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
5. The job offer _____ a lot of responsibility and hard work.
v. to involve or require something as necessary, particularly as a consequence of a particular situation or action; to impose a burden or restriction on something
6. I looked at the painting in _____.
n. the state of being intensely interested in someone or something, or a powerful attraction
7. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort

ANSWERS: 1. omnipotent, 2. mimic, 3. malleable, 4. robotic, 5. entails, 6. fascination, 7. industrious

8. There is a _____ area between galaxies.

adj. only in small quantities or numbers and often spread over a wide area

9. Her multidisciplinary works _____ music and picture with writing.

v. to meet or cross one another

10. A _____ motor controlled the robot's movements.

n. a type of motor or mechanism used to control the position or movement of a machine or device, often used in robotics, automation, and other applications

11. The news of her promotion _____ her.

v. to make someone feel suddenly enthusiastic or eager

12. The training of a hawk was a _____ process.

adj. cautious and correct, and requiring a significant amount of effort

13. The company is trying to _____ its business model to stay competitive.

v. to imagine or conceive of something in a new or different way

14. Hunters use a whistle that makes the ____ sound to lure stags.

n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

15. Strikes had also _____ the preceding weeks.

v. to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically

16. We should _____ several hypotheses to discuss the matter.

v. to suggest or accept something as fact or as a basis for argument or consideration

ANSWERS: 8. sparse, 9. intersect, 10. servo, 11. excited, 12. painstaking, 13. reimagine, 14. doe, 15. punctuated, 16. posit

17. The experiment was conducted on _____ primates.

adj. not human; belonging to or characteristic of animals or things rather than people

18. The new smartphone has _____ authentication, such as facial recognition and fingerprint scanning.

adj. relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

19. My confidence began to _____ as I gave my presentation in front of the class.

v. to hesitate or stumble in action or speech; to lose strength or momentum; to become unsteady or shaky

20. He created an _____ shaped torso.

adv. in a faulty or incomplete way

21. It is terrific to camp in _____ nature.

adj. new and completely free from dirt or contamination

ANSWERS: 17. nonhuman, 18. biometric, 19. falter, 20. imperfectly, 21. pristine