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Vocabulary Builder Reference from...

Sajan Saini: How do self-driving cars "see"? | TED Talk

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

Advanced Words Only

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Session 1: Word List

onslaught

n. a fierce or violent attack; a sudden and intense outburst of something, usually negative

synonym: attack, assault, charge

(1) **onslaught** of criticism, (2) urban **onslaught**

The village was unprepared for the sudden **onslaught** of the enemy army.

glean

v. to collect information, knowledge, etc., in small amounts and often with difficulty; to gather, as natural products

synonym: cull, collect, extract

(1) **glean** important information, (2) **glean** the fields

He carefully interviewed the victims and tried to **glean** the details of the culprit.

humming

adj. producing a continuous, low, vibrating sound like that of the bee

synonym: buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

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.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym : cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

moose

n. a large deer native to the northern forests of North America and Eurasia

synonym : elk, deer, antelope

(1) **moose** hunting, (2) **moose** population

The antlers of a bull **moose** can grow up to 6 feet in width and weigh over 60 pounds.

scatter

v. to cause to separate and go in different directions

synonym : disperse, spread, bestrew

(1) **scatter** seeds, (2) **scatter** around the internet

The hunter's approach **scattered** the geese.

antler

n. a branched, bony growth that protrudes from the forehead of male deer, elk, and moose and that is shed and regrown annually

synonym : horn, branch

(1) branches of an **antler**, (2) shedding **antlers**

The deer's **antlers** were an impressive sight to see in the forest.

picosecond

n. a unit of time that is equal to one trillionth (10^{-12}) of a second

synonym : trillionth of a second

(1) **picosecond** resolution, (2) **picosecond** pulse

The computer processor can execute instructions in a **picosecond**.

pebble

n. a small, smooth, rounded rock, especially one worn by the action of water

synonym: rock, stone, cobble

(1) drop a **pebble** into a pond, (2) **pebble** pathway

She picked up a **pebble** from the beach and put it in her pocket as a souvenir.

ripple

n. a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind

synonym: wave, undulation, fluctuation

(1) a **ripple** of laughter, (2) **ripple** in the water

Many businesses felt the **ripple** effect of the economy's decline.

rejoin

v. to return to someone or something

synonym: come back, return, reunite

(1) **rejoin** their mother ship, (2) **rejoin** the party

After the battle, the soldier managed to **rejoin** his unit.

recombine

v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

(1) **recombine** at the surface, (2) ability to **recombine**

Some scientists argue that the genes in food should not be artificially **recombined**.

synchronize

v. to happen or cause to happen at the same time or rate

synonym: coordinate, accompany, harmonize

(1) **synchronize** movements, (2) **synchronize** our watches

The ball speed will increase when the lower body movements are perfectly **synchronized**.

toggle

n. a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly

synonym : switch, lever, button

(1) **toggle** condition, (2) **toggle** between two options

You need to use the **toggle** button to switch between the night and day modes on the app.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym : give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

centimeter

n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter

(1) **centimeter** measurement, (2) thirty **centimeters** tall

The room was only one **centimeter** wider than the piano, making it a tight fit.

rooftop

n. the upper surface or cover of a building's roof, often used for recreational or other purposes

synonym : roof, terrace, deck

(1) **rooftop** live, (2) **rooftop** deck

They held the dinner party on the **rooftop** terrace, enjoying the beautiful view of the city.

steer

v. to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone

synonym : guide, direct, control

(1) **steer** a steady course, (2) **steer** a conversation

The captain told him to **steer** the ship north.

vantage

n. a position or place that provides a commanding or advantageous view or perspective; a favorable position

or advantage

synonym : advantage, benefit, edge

(1) strategic **vantage**, (2) gain a **vantage**

From our **vantage** point, we could see the whole city skyline.

disorient

v. to make someone confused about where they are or where they should go

synonym : confuse, flummox, perplex

(1) **disorient** his audience, (2) **disorient** and wrong-foot viewers

Several studies have indicated that human activity at sea might **disorient** dolphins and whales.

Session 2: Spelling

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|--------------------------------|---|
| 1. to___e between two options | <i>n.</i> a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly |
| 2. ri___e in the water | <i>n.</i> a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind |
| 3. thirty cen_____ers tall | <i>n.</i> a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter |
| 4. di_____nt his audience | <i>v.</i> to make someone confused about where they are or where they should go |
| 5. gl__n the fields | <i>v.</i> to collect information, knowledge, etc., in small amounts and often with difficulty; to gather, as natural products |
| 6. st__r a steady course | <i>v.</i> to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone |
| 7. re_____ne at the surface | <i>v.</i> to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material) |
| 8. gl__n important information | <i>v.</i> to collect information, knowledge, etc., in small amounts and often with difficulty; to gather, as natural products |

ANSWERS: 1. toggle, 2. ripple, 3. centimeter, 4. disorient, 5. glean, 6. steer, 7. recombine, 8. glean

9. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
10. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible
11. ability to re_____ne *v.* to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)
12. di_____nt and wrong-foot viewers *v.* to make someone confused about where they are or where they should go
13. pic_____nd pulse *n.* a unit of time that is equal to one trillionth (10^{-12}) of a second
14. cen_____er measurement *n.* a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
15. syn_____ze movements *v.* to happen or cause to happen at the same time or rate
16. st__r a conversation *v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone
17. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
18. gain a va_____e *n.* a position or place that provides a commanding or advantageous view or perspective; a favorable position or advantage
19. pe___e pathway *n.* a small, smooth, rounded rock, especially one worn by the action of water

ANSWERS: 9. emit, 10. visualize, 11. recombine, 12. disorient, 13. picosecond, 14. centimeter, 15. synchronize, 16. steer, 17. humming, 18. vantage, 19. pebble

20. re___n the party *v.* to return to someone or something
21. pic_____nd resolution *n.* a unit of time that is equal to one trillionth (10^{-12}) of a second
22. urban on_____ht *n.* a fierce or violent attack; a sudden and intense outburst of something, usually negative
23. on_____ht of criticism *n.* a fierce or violent attack; a sudden and intense outburst of something, usually negative
24. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
25. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
26. sc_____r seeds *v.* to cause to separate and go in different directions
27. syn_____ze our watches *v.* to happen or cause to happen at the same time or rate
28. re___n their mother ship *v.* to return to someone or something
29. branches of an an___r *n.* a branched, bony growth that protrudes from the forehead of male deer, elk, and moose and that is shed and regrown annually
30. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

ANSWERS: 20. rejoin, 21. picosecond, 22. onslaught, 23. onslaught, 24. emit, 25. determinant, 26. scatter, 27. synchronize, 28. rejoin, 29. antler, 30. determinant

31. mo__e hunting *n.* a large deer native to the northern forests of North America and Eurasia
32. strategic va_____e *n.* a position or place that provides a commanding or advantageous view or perspective; a favorable position or advantage
33. ro_____p live *n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
34. to___e condition *n.* a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly
35. mo__e population *n.* a large deer native to the northern forests of North America and Eurasia
36. hu_____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
37. a ri___e of laughter *n.* a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind
38. ro_____p deck *n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
39. drop a pe___e into a pond *n.* a small, smooth, rounded rock, especially one worn by the action of water
40. vi_____ze data *v.* to form a mental image or concept of something; to make something visible

ANSWERS: 31. moose, 32. vantage, 33. rooftop, 34. toggle, 35. moose, 36. humming, 37. ripple, 38. rooftop, 39. pebble, 40. visualize

41. shedding an___rs

n. a branched, bony growth that protrudes from the forehead of male deer, elk, and moose and that is shed and regrown annually

42. sc_____r around the internet

v. to cause to separate and go in different directions

ANSWERS: 41. antler, 42. scatter

Session 3: Fill in the Blanks

1. The village was unprepared for the sudden _____ of the enemy army.
n. a fierce or violent attack; a sudden and intense outburst of something, usually negative

2. After the battle, the soldier managed to _____ his unit.
v. to return to someone or something

3. The computer processor can execute instructions in a _____.
n. a unit of time that is equal to one trillionth (10^{-12}) of a second

4. The captain told him to _____ the ship north.
v. to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone

5. Some scientists argue that the genes in food should not be artificially _____.
v. to combine or put together again or differently; to cause genetic recombination (= the process by which genetic material is broken and joined to other genetic material)

6. Several studies have indicated that human activity at sea might _____ dolphins and whales.
v. to make someone confused about where they are or where they should go

7. She tried to _____ the layout of the new house in her mind.
v. to form a mental image or concept of something; to make something visible

ANSWERS: 1. onslaught, 2. rejoin, 3. picosecond, 4. steer, 5. recombined, 6. disorient, 7. visualize

8. The _____ of the bees filled the air as she walked through the garden.
adj. producing a continuous, low, vibrating sound like that of the bee
9. The hunter's approach _____ the geese.
v. to cause to separate and go in different directions
10. From our _____ point, we could see the whole city skyline.
n. a position or place that provides a commanding or advantageous view or perspective; a favorable position or advantage
11. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.
12. The room was only one _____ wider than the piano, making it a tight fit.
n. a unit of measurement of length in the metric system, equivalent to one-hundredth of a meter
13. The deer's _____ were an impressive sight to see in the forest.
n. a branched, bony growth that protrudes from the forehead of male deer, elk, and moose and that is shed and regrown annually
14. Many businesses felt the _____ effect of the economy's decline.
n. a small wave on the surface of a liquid, typically caused by an object falling into it or a slight wind
15. He carefully interviewed the victims and tried to _____ the details of the culprit.
v. to collect information, knowledge, etc., in small amounts and often with difficulty; to gather, as natural products

ANSWERS: 8. humming, 9. scattered, 10. vantage, 11. emits, 12. centimeter, 13. antlers, 14. ripple, 15. glean

16. The antlers of a bull _____ can grow up to 6 feet in width and weigh over 60 pounds.
- n.* a large deer native to the northern forests of North America and Eurasia
17. One _____ of success is having a positive attitude and a strong work ethic.
- n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
18. The ball speed will increase when the lower body movements are perfectly _____.
- v.* to happen or cause to happen at the same time or rate
19. You need to use the _____ button to switch between the night and day modes on the app.
- n.* a switch, button, or lever that can be used to turn a device or feature on or off or to switch between different options or modes; (verb) to switch between two different states, options, or modes, often repeatedly
20. She picked up a _____ from the beach and put it in her pocket as a souvenir.
- n.* a small, smooth, rounded rock, especially one worn by the action of water
21. They held the dinner party on the _____ terrace, enjoying the beautiful view of the city.
- n.* the upper surface or cover of a building's roof, often used for recreational or other purposes

ANSWERS: 16. moose, 17. determinant, 18. synchronized, 19. toggle, 20. pebble, 21. rooftop