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Vocabulary Builder Reference from...

Massimo Banzi: How Arduino is open-sourcing imagination | TED Talk

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

Advanced Words Only

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Session 1: Word List

motherboard

n. the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function

synonym : mainboard

(1) **motherboard** upgrade, (2) faulty **motherboard**

The performance of a computer largely depends on the quality of the **motherboard**.

recycle

v. to sort and collect things to process them and produce valuable materials that can be used again

synonym : reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

itch

v. to have an uncomfortable feeling on the skin that makes you want to scratch it

synonym : scratch, tingle, irritate

(1) **itch** constantly, (2) **itch** to speak

I can't stop **itching** my arm because of the mosquito bite.

hands-on

adj. actively involved, practical; having hands involved in the doing or making of something

synonym: practical, involved, hands-in

(1) **hands-on** activity, (2) take a **hands-on** approach

The **hands-on** workshop allowed attendees to work with tools and materials, developing their skills in a hands-on environment.

mashup

n. a combination or fusion of different elements, often referring to the blending or remixing of different songs, video clips, or other media forms

synonym: mixture, blend, combination

(1) music **mashup**, (2) art **mashup**

The DJ created an amazing **mashup** of popular songs at the party.

situ

adj. short for "situated," meaning located or placed in a particular position or circumstance

synonym: situational, contextual, circumstantial

(1) ex- **situ** conservation, (2) in- **situ** control

Melanoma in **situ** is considered the earliest stage of melanoma and has a high cure rate with appropriate treatment.

turbo

n. (short for "turbocharger") a device or system that increases the power or performance of an engine or vehicle, typically by using compressed air or gas to increase combustion

synonym: turbocharger, supercharger

(1) **turbo** boost, (2) **turbo** feature

The new car model is equipped with a **turbo** engine for increased performance.

typeset

v. to arrange and format text or material for printing, typically in a specified font, size, and layout; to compose or arrange written material in a particular style or format for publication

synonym : typescript, compose, set

(1) **typeset** document, (2) **typeset** layout

I need to **typeset** the manuscript before sending it to the publisher.

quadcopter

n. a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions

synonym : drone, multicopter, aerial vehicle

(1) **quadcopter** camera, (2) DIY **quadcopter** kit

The **quadcopter** drone can take aerial photographs from a great height.

matte

adj. having a surface without a shine, luster; non-glossy

synonym : dull, flat, lusterless

(1) **matte** coating, (2) photo with a **matte** finish

The body of his car has a **matte** finish.

mute

adj. silent; not speaking or unable to speak; not expressed or articulated

synonym : silent, unspoken, voiceless

(1) **mute** button, (2) **mute** sound

The actor played a **mute** character and had to rely on facial expressions to portray his emotions.

collide

v. to hit something violently when moving

synonym : clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

writ

n. a written legal order or command

synonym : legal document, order, legal process

(1) a **writ** of summons, (2) issue a **writ**

He was served with a **writ** of eviction, giving him the notice to vacate the property.

solenoid

n. a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks

synonym: coil, electromagnet, inductor

(1) linear **solenoid**, (2) electromagnetic **solenoid**

The **solenoid** valve controls the flow of water in the irrigation system.

botanical

adj. relating to the study or science of plants; of, pertaining to, made from, or derived from plants

synonym: botanic, plant-based, herbal

(1) **botanical** extract, (2) **botanical** illustrations

The **botanical** gardens were filled with exotic plants from all around the world.

well-being

n. the state of being happy and healthy and prosperous

synonym: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

twit

n. a silly or foolish person; someone regarded as annoying or irritating

synonym: fool, idiot, imbecile

(1) celebrity **twit**, (2) neighborhood **twit**

Please ignore that **twit** on social media; their opinions are irrelevant.

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.

maze

n. a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate

through

synonym : labyrinth, puzzle, network

(1) puzzle **maze**, (2) labyrinth **maze**

We got lost in the **maze** of streets while exploring the city.

fabricate

v. to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone

synonym : manufacture, assemble, falsify

(1) **fabricate** a chemical, (2) **fabricate** an excuse

The detective discovered that the witness had **fabricated** her story about the crime.

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.

Bluetooth

n. a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

(1) **Bluetooth** connection, (2) **Bluetooth-enabled** device

I need a **Bluetooth** headset for my conference calls.

overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

synonym : conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

Session 2: Spelling

1. i__h constantly *v.* to have an uncomfortable feeling on the skin that makes you want to scratch it
2. DIY qua_____er kit *n.* a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions
3. in-s__u control *adj.* short for "situated," meaning located or placed in a particular position or circumstance
4. re_____e milk packaging into new paper *v.* to sort and collect things to process them and produce valuable materials that can be used again
5. linear so_____id *n.* a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks
6. labyrinth m__e *n.* a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
7. drop a pe___e into a pond *n.* a small, smooth, rounded rock, especially one worn by the action of water
8. a sense of wel_____ng *n.* the state of being happy and healthy and prosperous

ANSWERS: 1. itch, 2. quadcopter, 3. situ, 4. recycle, 5. solenoid, 6. maze, 7. pebble, 8. well-being

9. re____e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
10. ma__e coating *adj.* having a surface without a shine, luster; non-glossy
11. music ma___p *n.* a combination or fusion of different elements, often referring to the blending or remixing of different songs, video clips, or other media forms
12. fa_____te an excuse *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
13. bo_____al extract *adj.* relating to the study or science of plants; of, pertaining to, made from, or derived from plants
14. photo with a ma__e finish *adj.* having a surface without a shine, luster; non-glossy
15. i__h to speak *v.* to have an uncomfortable feeling on the skin that makes you want to scratch it
16. celebrity t__t *n.* a silly or foolish person; someone regarded as annoying or irritating
17. mot_____rd upgrade *n.* the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function
18. Bl_____th-enabled device *n.* a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

ANSWERS: 9. recycle, 10. matte, 11. mashup, 12. fabricate, 13. botanical, 14. matte, 15. itch, 16. twit, 17. motherboard, 18. Bluetooth

19. pe___e pathway *n.* a small, smooth, rounded rock, especially one worn by the action of water
20. co_____e in midair *v.* to hit something violently when moving
21. electromagnetic so_____id *n.* a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks
22. take a ha_____on approach *adj.* actively involved, practical; having hands involved in the doing or making of something
23. m__e button *adj.* silent; not speaking or unable to speak; not expressed or articulated
24. ty_____t document *v.* to arrange and format text or material for printing, typically in a specified font, size, and layout; to compose or arrange written material in a particular style or format for publication
25. neighborhood t__t *n.* a silly or foolish person; someone regarded as annoying or irritating
26. co_____e head-on *v.* to hit something violently when moving
27. ex-s__u conservation *adj.* short for "situated," meaning located or placed in a particular position or circumstance
28. the wel_____ng of a nation *n.* the state of being happy and healthy and prosperous

ANSWERS: 19. pebble, 20. collide, 21. solenoid, 22. hands-on, 23. mute, 24. typeset, 25. twit, 26. collide, 27. situ, 28. well-being

29. tu__o feature *n.* (short for "turbocharger") a device or system that increases the power or performance of an engine or vehicle, typically by using compressed air or gas to increase combustion
30. he was ov_____lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
31. fa_____te a chemical *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
32. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
33. issue a w__t *n.* a written legal order or command
34. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
35. faulty mot_____rd *n.* the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function
36. tu__o boost *n.* (short for "turbocharger") a device or system that increases the power or performance of an engine or vehicle, typically by using compressed air or gas to increase combustion
37. qua_____er camera *n.* a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions

ANSWERS: 29. turbo, 30. overwhelm, 31. fabricate, 32. excite, 33. writ, 34. excite, 35. motherboard, 36. turbo, 37. quadcopter

38. ha____on activity *adj.* actively involved, practical; having hands involved in the doing or making of something
39. ty____t layout *v.* to arrange and format text or material for printing, typically in a specified font, size, and layout; to compose or arrange written material in a particular style or format for publication
40. m__e sound *adj.* silent; not speaking or unable to speak; not expressed or articulated
41. a w__t of summons *n.* a written legal order or command
42. bo____al illustrations *adj.* relating to the study or science of plants; of, pertaining to, made from, or derived from plants
43. puzzle m__e *n.* a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
44. art ma____p *n.* a combination or fusion of different elements, often referring to the blending or remixing of different songs, video clips, or other media forms
45. ov____lm opponents by numbers *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
46. Bl____th connection *n.* a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

ANSWERS: 38. hands-on, 39. typeset, 40. mute, 41. writ, 42. botanical, 43. maze, 44. mashup, 45. overwhelm, 46. Bluetooth

ANSWERS:

Session 3: Fill in the Blanks

1. The news of her promotion _____ her.
v. to make someone feel suddenly enthusiastic or eager
2. Please ignore that _____ on social media; their opinions are irrelevant.
n. a silly or foolish person; someone regarded as annoying or irritating
3. The detective discovered that the witness had _____ her story about the crime.
v. to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
4. The actor played a _____ character and had to rely on facial expressions to portray his emotions.
adj. silent; not speaking or unable to speak; not expressed or articulated
5. Too much variety may _____ and confuse viewers.
v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
6. The _____ drone can take aerial photographs from a great height.
n. a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions
7. I can't stop _____ my arm because of the mosquito bite.
v. to have an uncomfortable feeling on the skin that makes you want to scratch it

ANSWERS: 1. excited, 2. twit, 3. fabricated, 4. mute, 5. overwhelm, 6. quadcopter, 7. itching

8. I need to _____ the manuscript before sending it to the publisher.
- v.* to arrange and format text or material for printing, typically in a specified font, size, and layout; to compose or arrange written material in a particular style or format for publication
9. The DJ created an amazing _____ of popular songs at the party.
- n.* a combination or fusion of different elements, often referring to the blending or remixing of different songs, video clips, or other media forms
10. The _____ workshop allowed attendees to work with tools and materials, developing their skills in a hands-on environment.
- adj.* actively involved, practical; having hands involved in the doing or making of something
11. The _____ valve controls the flow of water in the irrigation system.
- n.* a coil of wire wound around a cylindrical core, typically made of ferromagnetic material, that creates a magnetic field when an electric current is passed through it, commonly used in various electrical devices, such as valves, relays, and electric locks
12. The body of his car has a _____ finish.
- adj.* having a surface without a shine, luster; non-glossy
13. 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
14. The _____ gardens were filled with exotic plants from all around the world.
- adj.* relating to the study or science of plants; of, pertaining to, made from, or derived from plants

ANSWERS: 8. typeset, 9. mashup, 10. hands-on, 11. solenoid, 12. matte, 13. pebble, 14. botanical

15. The interests of the two countries _____.

v. to hit something violently when moving

16. We largely _____ the circuit board of cell phones because they contain a lot of valuable metals.

v. to sort and collect things to process them and produce valuable materials that can be used again

17. Melanoma in _____ is considered the earliest stage of melanoma and has a high cure rate with appropriate treatment.

adj. short for "situated," meaning located or placed in a particular position or circumstance

18. We are responsible for the care and _____ of all our employees.

n. the state of being happy and healthy and prosperous

19. We got lost in the _____ of streets while exploring the city.

n. a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through

20. The performance of a computer largely depends on the quality of the _____.

n. the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function

21. I need a _____ headset for my conference calls.

n. a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

ANSWERS: 15. collide, 16. recycle, 17. situ, 18. well-being, 19. maze, 20. motherboard, 21. Bluetooth

22. He was served with a _____ of eviction, giving him the notice to vacate the property.

n. a written legal order or command

23. The new car model is equipped with a _____ engine for increased performance.

n. (short for "turbocharger") a device or system that increases the power or performance of an engine or vehicle, typically by using compressed air or gas to increase combustion

ANSWERS: 22. writ, 23. turbo