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Vocabulary Builder Reference from...

James Logan: How we're using dogs to sniff out

malaria | TED Talk

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

using_dogs_to_sniff_out_malaria



Advanced Words Only

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Session 1: Word List

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym: pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often infect parents with this head cold.

haystack

 a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding

synonym: pile, heap, stack

(1) haystack fire, (2) lost in a haystack

The children played hide and seek in the **haystacks** in the barnyard.

armpit

n. the hollow under the arm where it joins the shoulder

synonym: underarm, axilla

(1) hair of the **armpits**, (2) **armpit** area

This stick will deodorize your armpits.

sniff

v. to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath

synonym: smell, inhale, scent

(1) **sniff** the air, (2) **sniff** the perfume

The dog stopped to **sniff** around the tree, looking for something interesting.

typhoid

 a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems

synonym: typhus, enteric fever

(1) typhoid outbreak, (2) typhoid vaccination

The doctor prescribed antibiotics to treat her **typhoid** symptoms.

stale

adj. no longer fresh, new, or interesting; dull or uninteresting synonym: old, uninteresting, dull

(1) a stale joke, (2) stale smell

The bread was **stale** and not fit for eating.

butcher

 a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others

synonym: butcherer, meat cutter, slaughterer

(1) butcher knife, (2) local butcher

He's a vegetarian and was shocked to see so much meat in the **butcher** shop.

rot

v. to decay, or cause something to decay, naturally and gradually

synonym: perish, decay, corrode

(1) begin to rot, (2) rot with age

Please refrigerate the meat, or it will **rot**.

putrid

adj. decaying or rotting and emitting a foul or offensive odor;
 morally corrupt, foul, or depraved; repulsive or disgusting

synonym: rotten, decaying, decomposing

(1) turn putrid, (2) putrid atmosphere

I had to throw away the **putrid** food in the fridge because it had gone bad.

pungent

adj. having a strong, sharp odor or taste

synonym: sharp, acrid, biting

(1) pungent criticism, (2) pungent taste

The **pungent** aroma of garlic filled the kitchen.

mosquito

 a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym: insect, bug, flea

(1) mosquito bite, (2) mosquito repellent

A stagnant water area are breeding ground for **mosquitos**.

bombard

to attack a place with bombs or gunshots continuously;
 to address with continuously or persistently, as if with a barrage

synonym: bomb, shoot, blitz

(1) **bombard** him with questions, (2) **bombard** a fort with heavy shells

Overprotective parents often **bombard** their children with messages reinforcing their lack of mastery.

smelly

 adj. having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled

synonym: stinky, malodorous, fetid

(1) smelly socks, (2) smelly trash

I can't stand the **smelly** odor from the garbage can, and it's unbearable.

repellent

adj. serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust

synonym: disgusting, repulsive, offensive

(1) repellent odor, (2) repellent properties

She avoided the used car salesman because she found his pushy behavior **repellent**.

sludge

 a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful

synonym: muck, ooze, mire

(1) **sludge** treatment, (2) **sludge** removal

The **sludge** at the bottom of the river was a toxic hazard for marine life.

parasite

- n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expensesynonym: hitchhiker, leech, saprophyte
- (1) blood-sucking **parasite**, (2) **parasite** disease Tapeworms are **parasites** that live in the intestines of humans and animals.

cyst

 a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment

synonym: abscess, sac, lump

(1) cyst removal, (2) ovarian cyst

The patient was sent for an X-ray to determine the cause of the **cyst** in her abdomen.

saliva

n. the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

synonym: spit, drool, slobber

(1) dog's **saliva**, (2) dry mouth with little **saliva**The dentist asked him to spit out the excess **saliva** into the sink.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

bloodstream

- *n.* the blood flowing through the body
- (1) **bloodstream** in an artery, (2) **bloodstream** to the brain Cancer cells are often carried throughout the body by the **bloodstream**.

trait

n. a particular feature of your nature

synonym: attribute, feature, quality

chemical trait, (2) personality traits
 Multiple genes may influence behavioral traits concurrently.

beacon

 a light or other visible object serving as a signal, guide, or warning

synonym: lighthouse, guidepost, marker

(1) an aerial **beacon**, (2) **beacon** of hope

The lighthouse served as a **beacon** to guide ships safely into port.

olfaction

n. the sense of smell; the ability to detect and perceive odors or scents

synonym: smell, scent, aroma

(1) **olfaction** testing, (2) **olfaction** receptors

Some animals have better **olfaction** than humans, enabling them to detect prey from farther away.

fiddle

v. to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage

synonym: tinker, diddle, play

(1) **fiddle** with a PC, (2) **fiddle** away the whole afternoon She was able to **fiddle** a free trip to the United States.

sneeze

v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants

synonym: exhale, whiff, blow

(1) **sneeze** into my hand, (2) **sneeze** loudly Whenever I get a cold, I tend to **sneeze** a lot.

raspberry

 a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside

synonym: blackberry, bramble, dewberry

(1) raspberry flavor, (2) raspberry tea

The **raspberry** cheesecake at that restaurant is out of this world.

crackle

v. to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity

synonym: sizzle, hiss, snap

(1) **crackle** on the gravel road, (2) the **crackle** of the thunder

The firewood **crackled** and popped into the fireplace, sending sparks up the chimney.

aldehyde

- n. a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances
- (1) **aldehyde** molecule, (2) glyoxylic **aldehyde**The **aldehyde** group is a key functional group in organic chemistry.

lug

v. to carry or drag something with effort; to pull something along with a sudden or jerky motion

synonym: carry, haul, transport

(1) **lug** a hose, (2) **lug** my son into a room

He had to **lug** the heavy suitcase up the stairs.

contraption

 a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual

synonym: device, gadget, machinery

(1) farming **contraption**, (2) complicated **contraption**The inventor created a **contraption** that could turn salt water into drinking water.

applause

 a demonstration of approval or praise by clapping the hands together

synonym: clapping, cheering, acclaim

(1) round of **applause**, (2) earn **applause**The **applause** burst from the audience.

empower

- v. to give someone the power or authority to do something synonym: authorize, endow, entitle
- (1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

smartwatch

- n. a wearable computing device in the form of a watch
- (1) high-end **smartwatch**, (2) multifunctional **smartwatch** Various companies, including software companies, are entering the **smartwatch** market.

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym: transform, innovate, modernize

(1) revolutionize the industry, (2) revolutionize the

technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

eradicate

v. to get rid of or destroy something completely, especially something bad

synonym: destroy, eliminate, exterminate

(1) **eradicate** the deficit, (2) **eradicate** racial discrimination We are trying to **eradicate** this disease from the world.

amaze

- v. to fill with wonder, surprise, or admiration synonym: astound, surprise, stagger
- (1) **amaze** and entertain visitors, (2) **amaze** everyone The magician's tricks **amazed** the audience.

Session 2: Spelling

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- 2. ar___t area
- 3. ra____ry flavor
- 4. em___r the secretary to do the same
- 5. sn___e into my hand
- 6. rev____ize the industry
- 7. the cr___e of the thunder

- v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
- *n.* the hollow under the arm where it joins the shoulder
- a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
- v. to give someone the power or authority to do something
- v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
- v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas
- v. to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity

ANSWERS: 1. inject, 2. armpit, 3. raspberry, 4. empower, 5. sneeze, 6. revolutionize, 7. crackle

8.	farming conon	n.	a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
9.	bod him with questions	v.	to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
10.	snf the perfume	<i>v</i> .	to inhale audibly through the nose, ofter to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
11.	moto repellent	n.	a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
12.	I_g a hose	v.	to carry or drag something with effort; to pull something along with a sudden or jerky motion
13.	round of apse	n.	a demonstration of approval or praise by clapping the hands together
14.	rary tea	n.	a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
15.	local bur	n.	a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others

ANSWERS: 8. contraption, 9. bombard, 10. sniff, 11. mosquito, 12. lug, 13. applause, 14. raspberry, 15. butcher

the clear liquid that is secreted into the 16. dry mouth with little sa a n. mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion 17. re____nt properties adj. serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust 18. in___t a personal opinion into a to put a liquid such as a drug or other substance into a person's or an animal's debate body using a needle and syringe (= small tube) to affect a person, an animal, or a plant 19. in t other animal species with a disease-causing organism 20. am e everyone to fill with wonder, surprise, or admiration 21. al____de molecule a type of organic chemical compound n. that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances to make a sudden, involuntary 22. sn e loudly expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants adj. decaying or rotting and emitting a foul 23. pu d atmosphere or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting

ANSWERS: 16. saliva, 17. repellent, 18. inject, 19. infect, 20. amaze, 21. aldehyde, 22. sneeze, 23. putrid

24. ol____on receptors25. ty___d outbreak26. personality tr__ts27. glyoxylic al____de

- 28. pa____te disease
- 29. an aerial be___n
- 30. be___n of hope
- 31. I_g my son into a room
- 32. mo____to bite

- *n.* the sense of smell; the ability to detect and perceive odors or scents
- a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems
- n. a particular feature of your nature
- n. a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances
- an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
- a light or other visible object serving as a signal, guide, or warning
- n. a light or other visible object serving as a signal, guide, or warning
- to carry or drag something with effort; to pull something along with a sudden or jerky motion
- a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

ANSWERS: 24. olfaction, 25. typhoid, 26. trait, 27. aldehyde, 28. parasite, 29. beacon, 30. beacon, 31. lug, 32. mosquito

to inhale audibly through the nose, often 33. sn f the air ν. to detect or identify a smell; to draw in air through the nostrils with a quick. audible intake of breath adj. no longer fresh, new, or interesting; dull 34. a st e joke or uninteresting a particular feature of your nature 35. chemical tr t n. 36. fi e with a PC to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage to give someone the power or authority 37. em___r my life ν. to do something to decay, or cause something to decay, 38. r_t with age ν. naturally and gradually to attack a place with bombs or 39. bo____d a fort with heavy shells ν. gunshots continuously; to address with continuously or persistently, as if with a barrage 40. multifunctional sma____ch a wearable computing device in the n. form of a watch 41. am__e and entertain visitors to fill with wonder, surprise, or admiration 42. fi__e away the whole afternoon to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money,

ANSWERS: 33. sniff, 34. stale, 35. trait, 36. fiddle, 37. empower, 38. rot, 39. bombard, 40. smartwatch, 41. amaze, 42. fiddle

information, etc., or gain an advantage

43.	bloam in an artery	n.	the blood flowing through the body
44.	ovarian ct	n.	a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
45.	ste smell	adj.	no longer fresh, new, or interesting; dull or uninteresting
46.	int a computer with a virus	<i>v</i> .	to affect a person, an animal, or a plant with a disease-causing organism
47.	begin to r_t	<i>v</i> .	to decay, or cause something to decay, naturally and gradually
48.	put taste	adj.	having a strong, sharp odor or taste
49.	tyd vaccination	n.	a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems
50.	rent odor	adj.	serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust
51.	hair of the arts	n.	the hollow under the arm where it joins the shoulder
52.	c_t removal	n.	a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require

ANSWERS: 43. bloodstream, 44. cyst, 45. stale, 46. infect, 47. rot, 48. pungent, 49. typhoid, 50. repellent, 51. armpit, 52. cyst

treatment

53.	sle removal	n.	a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
54.	earn apse	n.	a demonstration of approval or praise by clapping the hands together
55.	dog's saa	n.	the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
56.	complicated conon	n.	a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
57.	revize the technology	ν.	to bring about a complete or radical change in something, often through the introduction of new methods or ideas
58.	erte racial discrimination	<i>v</i> .	to get rid of or destroy something completely, especially something bad
59.	turn pud	adj.	decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting
60.	put criticism	adj.	having a strong, sharp odor or taste
61.	blood-sucking pate	n.	an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
62.	olon testing	n.	the sense of smell; the ability to detect and perceive odors or scents
63.	hack fire	n.	a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding

ANSWERS: 53. sludge, 54. applause, 55. saliva, 56. contraption, 57. revolutionize, 58. eradicate, 59. putrid, 60. pungent, 61. parasite, 62. olfaction, 63. haystack

64.	sle treatment	n.	a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
65.	cre on the gravel road	<i>V</i> .	to make a succession of slight popping sounds, often due to the heating or drying of some materials, such as firewood, paper, plastic, or food; to snap, crack, or crunch; (noun) a series of sharp, popping sounds that are caused by the rapid expansion and contraction of a material, such as wood or paper, due to changes in temperature or humidity
66.	smy socks	adj.	having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled
67.	lost in a hack	n.	a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
68.	bloam to the brain	n.	the blood flowing through the body
69.	bur knife	n.	a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others
70.	smy trash	adj.	having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled

ANSWERS: 64. sludge, 65. crackle, 66. smelly, 67. haystack, 68. bloodstream, 69. butcher, 70. smelly

- 71. er____te the deficit
- 72. high-end sma____ch

- v. to get rid of or destroy something completely, especially something bad
- n. a wearable computing device in the form of a watch

ANSWERS: 71. eradicate, 72. smartwatch

Session 3: Fill in the Blanks

1. <i>n</i> .	He's a vegetarian and was shocked to see so much meat in the shop. a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others
2.	The bread was and not fit for eating.
adj	no longer fresh, new, or interesting; dull or uninteresting
3.	Various companies, including software companies, are entering themarket.
n.	a wearable computing device in the form of a watch
4.	The invention of the smartphone the way we communicate with each other.
<i>v</i> .	to bring about a complete or radical change in something, often through the introduction of new methods or ideas
5.	The group is a key functional group in organic chemistry.
n.	a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances
6.	The dentist asked him to spit out the excess into the sink.
n.	the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
7.	The lighthouse served as a to guide ships safely into port.
n.	a light or other visible object serving as a signal, guide, or warning
	SWERS: 1. butcher, 2. stale, 3. smartwatch, 4. revolutionized, 5. aldehyde, 6. iva, 7. beacon

ANSWERS: 8. empowered, 9. pungent, 10. putrid, 11. sneeze, 12. rot, 13. lug, 14. mosquitos, 15. crackled

16.	She avoided the used car salesman because she found his pushy behavior .
adj.	serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust
17.	Tapeworms are that live in the intestines of humans and animals.
n.	an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
	Overprotective parents often their children with messages reinforcing their lack of mastery.
v.	to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
19.	The at the bottom of the river was a toxic hazard for marine life.
n.	a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
20.	I can't stand the odor from the garbage can, and it's unbearable.
adj.	having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled
	The inventor created a that could turn salt water into drinking water.
n.	a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
22.	Multiple genes may influence behavioral concurrently.
n.	a particular feature of your nature
	SWERS: 16. repellent, 17. parasites, 18. bombard, 19. sludge, 20. smelly, 21. traption, 22. traits

29. eradicate, 30. cyst

31.	Cancer cells are often carried throughout the body by the
n.	the blood flowing through the body
32.	The magician's tricks the audience.
<i>v</i> .	to fill with wonder, surprise, or admiration
33.	The cheesecake at that restaurant is out of this world.
n.	a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
34.	Let's try to a bit of enthusiasm into your performance.
<i>v</i> .	to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
35.	Children often parents with this head cold.
<i>v</i> .	to affect a person, an animal, or a plant with a disease-causing organism
36.	Some animals have better than humans, enabling them to detect prey from farther away.
n.	the sense of smell; the ability to detect and perceive odors or scents
	SWERS: 31. bloodstream, 32. amazed, 33. raspberry, 34. inject, 35. infect, 36.