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Vocabulary Builder Reference from...

Avi Rubin: All your devices can be hacked | TED Talk https://www.ted.com/talks/avi_rubin_all_your_devices _can_be_hacked



Advanced Words Only

IMPORTANT

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Session 1: Word List

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym: suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

overhear

 to hear what other people are saying without intending to and their knowledge

synonym: catch, eavesdrop

(1) happen to **overhear** a conversation, (2) accidentally **overheard** their talk

She was inside at the time and **overheard** the conversation.

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.

reassure

v. to cause someone to feel sure; to give or restore confidence

synonym: comfort, soothe, bolster

(1) reassure anxious patients, (2) reassure market

The pilot tried to **reassure** the customers that the planes were safe.

cyberattack

an attempt to damage, disrupt, or gain unauthorized access to a computer system or network

synonym: cyber intrusion, hack, cyberterrorism

(1) cyberattack prevention, (2) cyberattack defense system

The hackers launched a devastating cyberattack, stealing sensitive information from the company's servers.

pacemaker

a small electronic device that is implanted in the chest to n. regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others

synonym: heartbeat regulator, pacer, pacesetter

- (1) implanted pacemaker, (2) pacemaker battery Some people with **pacemakers** may need to avoid certain activities or sources of electromagnetic interference.
- the main and largest artery (= thick tube that carries blood from the heart to the body) in the human body originating from the heart
- (1) abdominal aorta, (2) repair of an aorta The patient will undergo bypass surgery of the **aorta** today.

defibrillator

a medical device that delivers an electric shock to the heart to restore normal rhythm in cases of cardiac arrest or other serious heart conditions

synonym: shock box, resuscitator, AED

(1) portable **defibrillator**, (2) implantable **defibrillator** Every gym should have an automated external defibrillator (AED) in case of cardiac emergencies.

reprogram

- to modify or recreate a program *synonym*: recreate, modify, revamp
- (1) reprogram a device, (2) reprogram a database

aorta

He **reprogrammed** the computer's operating system to remove the safeguard.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

synonym: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep I'm so sorry to **disrupt** you when you're pretty busy.

trustworthy

adj. reliable and dependable

synonym: reliable, dependable, honest

trustworthy ally, (2) trustworthy source
 People tend to believe trustworthy friends with their secrets.

Bluetooth

- 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.

short-range

adj. limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time

synonym: close-range, limited-range, near-range

(1) **short-range** plan, (2) **short-range** communication The missile system was designed for **short-range** attacks on enemy territory.

long-range

adj. relating to or extending over a long distance, period of time, or range of possibilities

synonym: far-reaching, extended, distant

(1) **long-range** radar, (2) **long-range** weather forecast The military uses **long-range** missiles to hit targets from far away.

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.

malware

 a type of software designed to damage, disrupt, or gain unauthorized access to a computer system or network

synonym: virus, malicious software, spyware

(1) malware attack, (2) prevent malware

My computer was infected with **malware**, and it caused many problems.

astonishing

adj. surprising or shocking; difficult to believesynonym: surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains The news of her sudden death was **astonishing** to everyone who knew her.

confer

v. to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

synonym: consult, meet, discuss

(1) **confer** degree, (2) **confer** honor

The leaders of the two countries met to **confer** on the issue.

gasp

v. to inhale sharply and audibly, often in response to strong emotion or sensation; to catch one's breath suddenly, often due to shock or surprise

synonym: breathe, pant, heave

(1) gasp for air, (2) gasp in shock

The audience **gasped** when the magician made the rabbit disappear from the hat.

videotape

 a type of magnetic tape used for recording and storing video images and sound; a recording made on such

tape

synonym: videocassette, tape, recording

(1) videotape evidence, (2) rewind videotape

We watched a **videotape** of our family vacation from years ago.

smartphone

- a mobile phone that functions as a computer and connects to the Internet
- (1) **smartphone** app developer, (2) **smartphone** addict Internet traffic volumes have increased significantly with the advent of **smartphones**.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym: brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels
The raising of interest rates **stabilizes** the inflation rate.

reconstruct

v. to build or form something again that has been damaged or destroyed

synonym: rebuild, revamp, reorganize

- (1) **reconstruct** an image, (2) **reconstruct** the original text They've decided to **reconstruct** a ruined castle.
- a person-made object, especially one of historical or cultural interest

synonym: antique, relic, heirloom

paleolithic artifacts, (2) Peruvian artifacts
 The museum has a vast collection of Greek artifacts.

encrypt

artifact

ν. to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons

synonym: encode, cipher, scramble

(1) encrypt data, (2) encrypt message

To protect their sensitive information, many businesses **encrypt** their files.

wiretap

 to secretly listen to a people's conservation or get their information by connecting a listening device to their phone line

synonym: tap, bug, intercept

(1) receiver to **wiretap** transmission data, (2) **wiretap** private communications

It later appeared that the police had **wiretapped** the suspect's conversations.

keystroke

 a single press or strike of a key on a computer keyboard or other electronic device

synonym: keypress, type

(1) accidental **keystroke**, (2) random **keystroke**I accidentally hit the wrong **keystroke** and lost all of my unsaved work.

accelerometer

n. a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration

synonym: sensor, g-sensor, gravimeter

(1) accelerometer reading, (2) high-precision accelerometer

The phone's **accelerometer** measures its movement and orientation in three-dimensional space.

determinant

 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.

perturbation

- n. a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
 synonym: disruption, disturbance, turmoil
- (1) seismic **perturbation**, (2) emotional **perturbation**The unexpected financial crisis caused a **perturbation** in the stock market, leading to widespread panic among investors.

improvisation

- n. the act of making something up on the spot or creating or performing something without preparationsynonym: spontaneity, ad-lib, extemporization
- (1) **improvisation** on stage, (2) jazz **improvisation** He created a beautiful piece of music using only **improvisation**.

android

a robot with a human appearance; (operating system)
 Google's mobile operating system

synonym: droid, cyborg

(1) household **android**, (2) **Android** tablet The lab is developing an **android** robot that assists in dangerous construction work.

sequoia

 a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood

synonym: redwood

(1) a giant **sequoia**, (2) **Sequoia** National Park
The **sequoia** tree is known for its massive size and long lifespan.

hallway

- n. an interior passage or corridor onto which rooms opensynonym: foyer, corridor, entrance
- (1) the head of a **hallway**, (2) wax a **hallway** floor He dashed down a **hallway** to a bathroom.

gadget

n. a small tool or device that is useful for a particular jobsynonym: appliance, gimmick, device

(1) a handy **gadget**, (2) time-saving **gadget**I found the kitchen **gadget** that will serve as a bottle opener in the store.

Session 2: Spelling

1.	stze prices	<i>v</i> .	to become or cause to become steady or unlikely to give way
2.	prevent mae	n.	a type of software designed to damage, disrupt, or gain unauthorized access to a computer system or network
3.	shoge communication	adj.	limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time
4.	truhy ally	adj.	reliable and dependable
5.	accidentally ovard their talk	v.	to hear what other people are saying without intending to and their knowledge
6.	time-saving gat	n.	a small tool or device that is useful for a particular job
7.	ream a database	<i>v</i> .	to modify or recreate a program
8.	BIth 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
9.	household and	n.	a robot with a human appearance; (operating system) Google's mobile operating system
	SWERS: 1. stabilize, 2. malware, 3. sho dget, 7. reprogram, 8. Bluetooth, 9. andr		ange, 4. trustworthy, 5. overhear, 6.

10.	smane addict	n.	a mobile phone that functions as a computer and connects to the Internet
11.	a handy gat	n.	a small tool or device that is useful for a particular job
12.	BIth-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
13.	the head of a hay	n.	an interior passage or corridor onto which rooms open
14.	paleolithic arcts	n.	a person-made object, especially one of historical or cultural interest
15.	vipe evidence	n.	a type of magnetic tape used for recording and storing video images and sound; a recording made on such tape
16.	make astng gains	adj.	surprising or shocking; difficult to believe
17.	dit sleep	<i>v</i> .	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
18.	longe weather forecast	adj.	relating to or extending over a long distance, period of time, or range of possibilities
19.	implantable deftor	n.	a medical device that delivers an electric shock to the heart to restore normal rhythm in cases of cardiac arrest or other serious heart conditions

ANSWERS: 10. smartphone, 11. gadget, 12. Bluetooth, 13. hallway, 14. artifact, 15. videotape, 16. astonishing, 17. disrupt, 18. long-range, 19. defibrillator

20.	shoge plan	adj.	limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time
21.	dee a message	v.	to convert something, such as a message or piece of information, from a specific form into one that you can understand
22.	cor honor	ν.	to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
23.	recct an image	<i>v</i> .	to build or form something again that has been damaged or destroyed
24.	cybck prevention	n.	an attempt to damage, disrupt, or gain unauthorized access to a computer system or network
25.	portable deftor	n.	a medical device that delivers an electric shock to the heart to restore normal rhythm in cases of cardiac arrest or other serious heart conditions
26.	opne occasion	adj.	suitable or happening at a time that is suitable or convenient for a particular purpose
27.	emotional perion	n.	a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
28.	random keke	n.	a single press or strike of a key on a computer keyboard or other electronic device

ANSWERS: 20. short-range, 21. decode, 22. confer, 23. reconstruct, 24. cyberattack, 25. defibrillator, 26. opportune, 27. perturbation, 28. keystroke

29.	rere anxious patients	<i>v</i> .	to cause someone to feel sure; to give or restore confidence
30.	accter reading	n.	a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
31.	recct the original text	<i>v</i> .	to build or form something again that has been damaged or destroyed
32.	g_p in shock	ν.	to inhale sharply and audibly, often in response to strong emotion or sensation; to catch one's breath suddenly, often due to shock or surprise
33.	ability to dee the differences	ν.	to convert something, such as a message or piece of information, from a specific form into one that you can understand
34.	a giant sea	n.	a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
35.	smane app developer	n.	a mobile phone that functions as a computer and connects to the Internet
36.	truhy source	adj.	reliable and dependable
37.	seismic perion	n.	a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
38.	implanted paer	n.	a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others

а

ANSWERS: 29. reassure, 30. accelerometer, 31. reconstruct, 32. gasp, 33. decode, 34. sequoia, 35. smartphone, 36. trustworthy, 37. perturbation, 38. pacemaker

39.	int other animal species	<i>v</i> .	to affect a person, an animal, or a plant with a disease-causing organism
40.	high-precision accter	n.	a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
41.	paer battery	n.	a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others
42.	an opne remark	adj.	suitable or happening at a time that is suitable or convenient for a particular purpose
43.	accidental keke	n.	a single press or strike of a key on a computer keyboard or other electronic device
44.	longe radar	adj.	relating to or extending over a long distance, period of time, or range of possibilities
45.	rere market	<i>v</i> .	to cause someone to feel sure; to give or restore confidence
46.	stze blood sugar levels	v.	to become or cause to become steady or unlikely to give way
47.	ent message	ν.	to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons

ANSWERS: 39. infect, 40. accelerometer, 41. pacemaker, 42. opportune, 43. keystroke, 44. long-range, 45. reassure, 46. stabilize, 47. encrypt

48.	environmental detnt	n.	a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
49.	Sea National Park	n.	a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
50.	happen to ovar a conversation	v.	to hear what other people are saying without intending to and their knowledge
51.	cybck defense system	n.	an attempt to damage, disrupt, or gain unauthorized access to a computer system or network
52.	g_p for air	v.	to inhale sharply and audibly, often in response to strong emotion or sensation; to catch one's breath suddenly, often due to shock or surprise
53.	jazz impion	n.	the act of making something up on the spot or creating or performing something without preparation
54.	rewind vipe	n.	a type of magnetic tape used for recording and storing video images and sound; a recording made on such tape
55.	repair of an aoa	n.	the main and largest artery (= thick tube that carries blood from the heart to the body) in the human body originating from the heart
56.	wax a hay floor	n.	an interior passage or corridor onto which rooms open

ANSWERS: 48. determinant, 49. sequoia, 50. overhear, 51. cyberattack, 52. gasp, 53. improvisation, 54. videotape, 55. aorta, 56. hallway

57.	int a computer with a virus	<i>v</i> .	to affect a person, an animal, or a plant with a disease-causing organism
58.	astng achievement	adj.	surprising or shocking; difficult to believe
59.	impion on stage	n.	the act of making something up on the spot or creating or performing something without preparation
60.	receiver to wip transmission data	ν.	to secretly listen to a people's conservation or get their information by connecting a listening device to their phone line
61.	Peruvian arcts	n.	a person-made object, especially one of historical or cultural interest
62.	a detnt of crop yields	n.	a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
63.	ent data	ν.	to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons
64.	mae attack	n.	a type of software designed to damage, disrupt, or gain unauthorized access to a computer system or network
65.	abdominal aoa	n.	the main and largest artery (= thick tube that carries blood from the heart to the body) in the human body originating from the heart

ANSWERS: 57. infect, 58. astonishing, 59. improvisation, 60. wiretap, 61. artifact, 62. determinant, 63. encrypt, 64. malware, 65. aorta

66.	dit a well-ordered condition	<i>v</i> .	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
67.	cor degree	ν.	to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
68.	wip private communications	v.	to secretly listen to a people's conservation or get their information by connecting a listening device to their phone line
69.	And tablet	n.	a robot with a human appearance; (operating system) Google's mobile operating system
70.	ream a device	<i>v</i> .	to modify or recreate a program

ANSWERS: 66. disrupt, 67. confer, 68. wiretap, 69. android, 70. reprogram

Session 3: Fill in the Blanks

1.	Children often parents with this head cold.
v.	to affect a person, an animal, or a plant with a disease-causing organism
2.	Internet traffic volumes have increased significantly with the advent of
n.	a mobile phone that functions as a computer and connects to the Internet
3.	She was inside at the time and the conversation.
<i>v</i> .	to hear what other people are saying without intending to and their knowledge
4.	The tree is known for its massive size and long lifespan.
n.	a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
5.	The leaders of the two countries met to on the issue.
v.	to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
6.	The raising of interest rates the inflation rate.
ν.	to become or cause to become steady or unlikely to give way
7.	The pilot tried to the customers that the planes were safe.
ν.	to cause someone to feel sure; to give or restore confidence
8.	I found the kitchen that will serve as a bottle opener in the store.
n.	a small tool or device that is useful for a particular job
	SWERS: 1. infect, 2. smartphones, 3. overheard, 4. sequoia, 5. confer, 6. bilizes, 7. reassure, 8. gadget

ANSWERS: 9. opportune, 10. gasped, 11. perturbation, 12. artifacts, 13. pacemakers,

the main and largest artery (= thick tube that carries blood from the heart to the

body) in the human body originating from the heart

14. videotape, 15. aorta

16. l	He created a beautiful piece of music using only
n.	the act of making something up on the spot or creating or performing something without preparation
	The lab is developing an robot that assists in dangerous construction work.
n.	a robot with a human appearance; (operating system) Google's mobile operating system
18. I	People tend to believe friends with their secrets.
adj.	reliable and dependable
19. ľ	My computer was infected with and it caused many problems.
n.	a type of software designed to damage, disrupt, or gain unauthorized access to a computer system or network
20. l	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
21. ⁻	The news of her sudden death was to everyone who knew her.
adj.	surprising or shocking; difficult to believe
	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
23. I	'm so sorry to you when you're pretty busy.
v.	to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
	WERS: 16. improvisation, 17. android, 18. trustworthy, 19. malware, 20. tooth, 21. astonishing, 22. determinant, 23. disrupt

24.	The software could the encrypted data and reveal the hidden information.
<i>v</i> .	to convert something, such as a message or piece of information, from a specific form into one that you can understand
25.	I accidentally hit the wrong and lost all of my unsaved work.
n.	a single press or strike of a key on a computer keyboard or other electronic device
26.	He the computer's operating system to remove the safeguard.
<i>v</i> .	to modify or recreate a program
27.	It later appeared that the police had the suspect's conversations.
<i>v</i> .	to secretly listen to a people's conservation or get their information by connecting a listening device to their phone line
28.	They've decided to a ruined castle.
<i>v</i> .	to build or form something again that has been damaged or destroyed
29.	The missile system was designed for attacks on enemy territory.
adj	limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time
30.	The hackers launched a devastating stealing sensitive information from the company's servers.
n.	an attempt to damage, disrupt, or gain unauthorized access to a computer system or network
31.	The military uses missiles to hit targets from far away.
adj	relating to or extending over a long distance, period of time, or range of possibilities
	SWERS: 24. decode, 25. keystroke, 26. reprogrammed, 27. wiretapped, 28. onstruct, 29. short-range, 30. cyberattack, 31. long-range

32.	To protect their sensitive information, many businesses their files.
ν.	to convert information or data into a code, thereby making it unreadable withou a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons
33.	Every gym should have an automated external (AED) in case of cardiac emergencies.
n.	a medical device that delivers an electric shock to the heart to restore normal rhythm in cases of cardiac arrest or other serious heart conditions
34.	The phone's measures its movement and orientation in three-dimensional space.
n.	a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
35.	He dashed down a to a bathroom.
n.	an interior passage or corridor onto which rooms open

ANSWERS: 32. encrypt, 33. defibrillator, 34. accelerometer, 35. hallway