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Vocabulary Builder Reference from...

Karen J. Meech: The story of 'Oumuamua, the first visitor from another star system | TED Talk https://www.ted.com/talks/karen_j_meech_the_story_of_oumuamua_the_first_visitor_from_another_star_s ystem



Advanced Words Only

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Session 1: Word List

lookout

 a person or group of people who are responsible for watching for danger or other potential threats and warning others of their presence

synonym: watchman, sentinel, guard

(1) **lookout** team, (2) on the **lookout** for danger

The **lookout** tower provided a clear view of the surrounding area.

asteroid

 a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

synonym: minor planet, planetoid, rocky planetesimal

(1) asteroid mining, (2) asteroid explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

interstellar

adj. relating to or located in the space between stars

synonym: galactic, cosmic, intergalactic

(1) **interstellar** communication, (2) **interstellar** space The **interstellar** medium comprises gas, dust, and cosmic rays that fill the space between stars.

comet

 a celestial object consisting of a nucleus of ice and dust that goes around the sun

synonym: meteor, asteroid, meteoroid

the surface of the comet,
 comet Halley
 comet's bright tail could be seen in the night sky.

constellation

 a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

synonym: asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern **constellation**

Navigators still use the Little Bear constellation at sea.

astronomical

 adj. relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

synonym: huge, vast, enormous

(1) **astronomical** observation, (2) **astronomical** numbers The cost of the new equipment was **astronomical** and beyond the company's budget.

unwieldy

 adj. challenging to move or handle because of its size, shape, or weight; difficult to manage or organize because of its enormity or complexity

synonym: bulky, cumbersome, ungainly

(1) **unwieldy** amount of information, (2) **unwieldy** rules and regulations

A piano is an **unwieldy** thing to get down a flight of stairs.

Arthurian

- adj. relating to king Arthur and the tales and legends associated with him
- (1) the **Arthurian** cycle, (2) **Arthurian** romances

The **Arthurian** legends of King Arthur and the knights of the Round Table are popular literary motifs.

linguist

- a person who speaks several foreign languages; a person who studies or teaches languages or linguistics
 synonym: grammatist, philologue, polyglot
- (1) foreign **linguist**, (2) cognitive **linguist** Though I love literature, I'm a bad **linguist**.

scout

n. a person or group sent out to obtain information, gather intelligence, or make observations, typically in a military context; a person or group sent out to explore or prospect for new opportunities, resources, or locations

synonym: scoutmaster, explorer, surveyor

(1) boy **scout**, (2) **scout** troop

The company sent a **scout** to explore new business opportunities in the overseas market.

leftover

adj. not consumed or used at the end of something synonym: extra, residual, unused

(1) **leftover** from a party, (2) **leftover** goods

The chef will make soup with the leftover ham bone.

icy

adj. covered with ice or frost; very cold; lacking warmth or friendliness

synonym: frosty, cold, glacial

(1) icy clouds, (2) cast icy eyes

The icy surface of the pond was not safe for skating.

eject

v. to force someone to put out or leave a particular place or position

synonym: discharge, expel, emit

(1) **eject** a player from a game, (2) **eject** huge amounts of pollutant

Our immune system can eject disease germs from the body.

dusty

adj. covered with or characterized by dust; having a dry, powdery texture or appearance; having a lot of dust or dirt in the air

synonym: stale, filthy, grimy

(1) dusty road, (2) dusty bookshelf

The abandoned warehouse was covered in a thick layer of **dusty** debris.

shiver

 to shake or quiver with cold, fear, or excitement; to tremble or vibrate rapidly

synonym: quiver, tremble, shake

(1) shiver with delight, (2) shiver in fear

I **shiver** in the cold winter air as I wait for the train.

distill

- v. to purify or refine; to extract the essential elements synonym: extract, condense, purify
- (1) distill a liquid, (2) distill information

She decided to **distill** her thoughts into a more manageable list.

mince

v. to chop or cut food into very small pieces, often with a knife or food processor; to walk in an affected or dainty manner, as if taking very small steps; to soften the impact of one's speech by using tactful language or diplomatic phrasing

synonym: chop, grind, dice

(1) mince around town, (2) mince meat

Be sure to **mince** the garlic finely for the pasta sauce.

observatory

- a building designed and equipped to observe the planets, the stars, the weather, etc.
- (1) space **observatory**, (2) a meteorological **observatory** That astronomical **observatory** stands at the top of the mountain.

afterward

adv. after the time mentioned

synonym: later, thereafter, following

(1) a few years afterward,	(2) go there afterward
We will explain the countern	measure concerning this problem
afterward.	

firefly

- a flying nocturnal insect common in warm regions with a tail that shines in the dark
- (1) the glow of a **firefly**, (2) sparkle like **firefly** In that country, there is a culture of eating live **firefly** squid.

oblong

 an elongated shape that is roughly rectangular or oval in shape

synonym: rectangle, elongated, extended

(1) **oblong** shape, (2) **oblong** box

The **oblong** table was perfect for hosting a large dinner party.

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.

wobble

v. to move or shake unsteadily from side to side or up and down

synonym: sway, rock, totter

(1) wobble a few steps, (2) wobble chair

The table **wobbled** a little when I put my drink on it.

nod

 to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation

synonym: respond, acknowledge, greet

(1) nod at each other, (2) nod courteously

She **nodded** quietly in response to the question.

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.

rethink

v. to consider again a plan, idea, etc., especially to change it

synonym: reexplore, review, reconsider

(1) **rethink** a marketing plan, (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further growth.

industrious

adj. hardworking, diligent, and persistent in effortsynonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student He was known to be very **industrious** and would often work late into the night.

fingerprint

- a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
 synonym: print, mark, impression
- (1) **fingerprint** at a crime scene, (2) **fingerprint** identification

The police used a fingerprint scanner to identify the suspect.

meteorite

 a solid object originating in outer space that reaches the Earth's surface without completely vaporizing in the atmosphere; a rock that has fallen from space

synonym: meteor, shooting star, asteroid

(1) meteorite impact, (2) meteorite shower

The **meteorite** fragments were collected and sent to a laboratory for analysis.

archaeology

- the branch of anthropology that studies prehistoric people and their cultures
- (1) the institute of **archaeology**, (2) prehistoric **archaeology** She teaches **archaeology** at the local university.

remnant

 a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something

synonym: remainder, leftover, residue

(1) **remnant** of the past, (2) **remnants** of fabric

The only **remnant** left of the ancient civilization was the crumbling ruins of their temples.

celestial

adj. relating to the sky or the heavens; of or like the sky or the heavens

synonym: heavenly, divine, ethereal

(1) celestial bliss, (2) celestial navigation

The **celestial** bodies in the night sky were beautiful to behold.

driftwood

 wood that has been carried along by the current of a river or ocean and washed up on shore, often used for decorative purposes or as fuel

synonym: floatwood, beachwood, logwood

(1) driftwood art, (2) beach driftwood

A large **driftwood** branch provided a perfect perch for the seagull to rest on.

shred

v. to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount

synonym: rip up, tear up, cut

(1) **shred** paper into little pieces, (2) **shred** lettuce for a salad

There is not a **shred** of evidence that he is guilty.

throe

 a severe or intense spasm of pain, such as a pang of childbirth or the spasms of a dying person; a period of intense stress or difficulty

synonym: spasm, pang, throb

(1) the **throes** of a financial crisis, (2) **throes** of death She writhed in the **throes** of pain during labor.

supernova

 a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

synonym: explosion, detonation, blast

(1) extragalactic **supernova**, (2) **supernova** remnant The **supernova** explosion created a bright new star in the night sky.

tumble

v. to fall suddenly, often uncontrollably; to topple or turn over; to decline sharply and quickly in value, quality, or performance

synonym: fall, stumble, plummet

(1) **tumble** down the hill, (2) confidence **tumbles** as unemployment rates rose

The value of the currency **tumbled** against major international currencies.

trajectory

 the curved path followed by an object moving through space

synonym: course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

synoptic

adj. relating to a brief and general overview or summary of something, often used to describe a concise account or summary of a written work or event

synonym: summary, concise, condensed

(1) synoptic chart, (2) synoptic problem

The **synoptic** view of the city from the observatory was breathtaking.

Session 2: Spelling

1. di____I a liquid

2. ob___g shape

3. sparkle like fi____y

4. sy ic problem

5. on the lo___t for danger

6. foreign li st

7. re___k a marketing plan

8. sc_t troop

9. cognitive li st

v. to purify or refine; to extract the essential elements

n. an elongated shape that is roughly rectangular or oval in shape

 a flying nocturnal insect common in warm regions with a tail that shines in the dark

adj. relating to a brief and general overview or summary of something, often used to describe a concise account or summary of a written work or event

 a person or group of people who are responsible for watching for danger or other potential threats and warning others of their presence

 a person who speaks several foreign languages; a person who studies or teaches languages or linguistics

v. to consider again a plan, idea, etc., especially to change it

n. a person or group sent out to obtain information, gather intelligence, or make observations, typically in a military context; a person or group sent out to explore or prospect for new opportunities, resources, or locations

 a person who speaks several foreign languages; a person who studies or teaches languages or linguistics

ANSWERS: 1. distill, 2. oblong, 3. firefly, 4. synoptic, 5. lookout, 6. linguist, 7. rethink, 8. scout, 9. linguist

ANSWERS: 10. firefly, 11. archaeology, 12. unwieldy, 13. eject, 14. interstellar, 15. leftover, 16. meteorite, 17. trajectory, 18. leftover, 19. trajectory, 20. constellation

Vocab-Builder Ref from "Karen J. Meech: The story of 'Oumuamua, the first visitor from another star system | TED Talk" (40 words)

ANSWERS: 21. industrious, 22. synoptic, 23. dusty, 24. driftwood, 25. afterward, 26. mince, 27. mince, 28. oblong

ANSWERS: 29. unwieldy, 30. excite, 31. rethink, 32. shiver, 33. meteorite, 34. fingerprint, 35. industrious, 36. wobble, 37. nod, 38. asteroid

ANSWERS: 39. astronomical, 40. fingerprint, 41. comet, 42. observatory, 43. tumble, 44. comet, 45. throe, 46. celestial, 47. driftwood

adj. covered with ice or frost; very cold; 48. cast i y eyes lacking warmth or friendliness a person or group sent out to obtain 49. boy sc__t information, gather intelligence, or make observations, typically in a military context; a person or group sent out to explore or prospect for new opportunities, resources, or locations to lower and raise one's head, 50. n d courteously sometimes several times, as to show approval, agreement, greeting, or confirmation to make someone feel suddenly 51. ex e the crowd enthusiastic or eager a physicist who studies astronomy 52. amateur ast____er n. 53. tu e down the hill to fall suddenly, often uncontrollably; to ν. topple or turn over; to decline sharply and quickly in value, quality, or performance 54. sh d paper into little pieces to tear or cut something into a small ν. pieces; (noun) a tiny or scarcely detectable amount the branch of anthropology that studies 55. the institute of arc gy n. prehistoric people and their cultures 56. begin to r t to decay, or cause something to decay, ν. naturally and gradually 57. re___ts of fabric a small remaining quantity of n. something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something

ANSWERS: 48. icy, 49. scout, 50. nod, 51. excite, 52. astronomer, 53. tumble, 54. shred, 55. archaeology, 56. rot, 57. remnant

58.	asid explorer	n.	a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
59.	ejt a player from a game	v.	to force someone to put out or leave a particular place or position
60.	space obsry	n.	a building designed and equipped to observe the planets, the stars, the weather, etc.
61.	intlar communication	adj.	relating to or located in the space between stars
62.	shd lettuce for a salad	v.	to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
63.	shr in fear	v.	to shake or quiver with cold, fear, or excitement; to tremble or vibrate rapidly
64.	extragalactic suva	n.	a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
65.	the Aran cycle	adj.	relating to king Arthur and the tales and legends associated with him
66.	astcal observation	adj.	relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
67.	i_y clouds	adj.	covered with ice or frost; very cold; lacking warmth or friendliness
68.	suva remnant	n.	a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

ANSWERS: 58. asteroid, 59. eject, 60. observatory, 61. interstellar, 62. shred, 63. shiver, 64. supernova, 65. Arthurian, 66. astronomical, 67. icy, 68. supernova

ANSWERS: 69. celestial, 70. wobble, 71. afterward, 72. dusty, 73. throe, 74. rot, 75. constellation, 76. Arthurian, 77. lookout, 78. astronomer, 79. remnant

something

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80. diI information	ν.	to purify or refine; to extract the essential elements
ANSWERS: 80. distill		

Session 3: Fill in the Blanks

1.	The cost of the new equipment wasbudget.	and beyond the company's
adj	 relating to astronomy or the study of celestial large or immense in scale or magnitude 	bodies and phenomena; very
2.	The abandoned warehouse was covered in a t	hick layer of debris.
adj	 covered with or characterized by dust; having appearance; having a lot of dust or dirt in the 	
3.	The view of the city from the observ	atory was breathtaking.
adj	 relating to a brief and general overview or su describe a concise account or summary of a 	3
4.	In that country, there is a culture of eating live	squid.
n.	a flying nocturnal insect common in warm reg dark	gions with a tail that shines in the
5.	She quietly in response to the question	٦.
<i>v</i> .	to lower and raise one's head, sometimes se agreement, greeting, or confirmation	veral times, as to show approval,
6.	The bright tail could be seen in the ni	ght sky.
n.	a celestial object consisting of a nucleus of ic	e and dust that goes around the
7.	The company has shown an excellent growth	over the years.
n.	the curved path followed by an object moving	g through space
	SWERS: 1. astronomical, 2. dusty, 3. synoptic, ectory	4. firefly, 5. nodded, 6. comet's, 7.

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ANSWERS:			