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Beau Lotto + Amy O'Toole: Science is for everyone, kids included | TED Talk

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

Advanced Words Only

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Session 1: Word List

beau

n. a male partner or companion, especially a boyfriend or suitor; a wealthy or fashionable man who is attractive to women

synonym: suitor, admirer, boyfriend

(1) charming **beau**, (2) online **beau**

She met her handsome **beau** at a coffee shop in the city.

meaningless

adj. having no meaning, direction, or purpose

synonym: pointless, absurd, senseless

(1) a **meaningless** endeavor, (2) do a **meaningless** task

This experiment's results are **meaningless** because the other conditions are not identical.

annoy

v. to make someone angry, anxious, or irritating slightly

synonym: aggravate, irritate, unsettle

(1) **annoy** at the time, (2) **annoy** everyone else

Her constant chatter was starting to **annoy** the neighbors.

underpin

v. to support or strengthen the foundations of something

synonym: support, foundation, base

(1) **underpin** a structure, (2) **underpin** democratization

The research findings **underpin** the theory that human

activities cause global warming.

predator

n. an animal whose natural behavior is to prey on others
synonym : vulture, bloodsucker

(1) apex **predator**, (2) sexual **predators**

The native South American animals were in danger because of the **predator's** arrival.

seasick

adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

synonym : nauseous, seasickness, queasy

(1) avoid getting **seasick**, (2) **seasick** medication

The rough waves made some passengers feel **seasick** during the boat ride.

steppe

n. a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America

synonym : prairie, savannah, grassland

(1) **steppe** climate, (2) barren **steppe**

The nomadic tribes set up camp on the vast **steppe**.

adaptable

adj. able or willing to modify or be modified to deal with new situations

synonym : flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

motto

n. a phrase or slogan that expresses a guiding principle or goal

synonym : slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**

The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

sect

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

synonym : group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

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.

ape

n. a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons

synonym : monkey, primate, simian

(1) jungle **ape**, (2) play the **ape**

The scientist studied the behavior of **apes** in the wild.

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.

creditor

n. a person, company, etc. to whom a debtor owes money

(1) the **creditor's** claims, (2) bankrupt **creditor**

I asked the lawyer to initiate **creditor** negotiations for

voluntary liquidation.

crayon

n. a stick of colored wax, charcoal, chalk, or other material used for drawing or coloring; (verb) to draw or color with crayons, which are sticks of colored wax, chalk, or charcoal used for drawing or coloring

synonym: chalk, pastel, (verb) draw

(1) **crayon** drawing, (2) **crayon** her coloring books

The teacher handed out several different colored **crayons** to each student.

dale

n. a valley or a broad, low area between hills or mountains, often with a stream or river running through it

synonym: valley, glen, hollow

(1) **dale** landscape, (2) fertile **dale**

The grassy **dale** was filled with wildflowers and grazing sheep.

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

referee

n. a person who controls the game in some sports by making players follow the rules

synonym: judge, arbiter, umpire

(1) a fair **referee**, (2) assistant **referee**

The **referee** blew his whistle.

zeal

n. great enthusiasm or passion for something; fervor; eagerness or intensity for a cause or purpose

synonym: passion, enthusiasm, fervor

(1) **zeal** for fitness, (2) religious **zeal**

The athlete brought great **zeal** to every competition, striving

to be the best.

congratulation

n. the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another

synonym : praise, compliment, felicitation

(1) **congratulation** on a promotion, (2) a matter for **congratulation**

The **congratulations** from her friends and family were overwhelming after she won the championship.

epitome

n. a person or thing that is a typical or perfect example of a particular quality or type

synonym : embodiment, apotheosis

(1) an **epitome** of history, (2) world's **epitome**

He was the **epitome** of courage, always standing up for his beliefs.

clap

v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise

synonym : applaud, spat, acclaim

(1) **clap** my hands, (2) **clap** a book shut

We **clapped** along with the singer's song.

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.

Session 2: Spelling

- | | |
|--|---|
| 1. apex pr____or | <i>n.</i> an animal whose natural behavior is to prey on others |
| 2. ad____le enough for the environment | <i>adj.</i> able or willing to modify or be modified to deal with new situations |
| 3. a matter for con_____ion | <i>n.</i> the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another |
| 4. an__y everyone else | <i>v.</i> to make someone angry, anxious, or irritating slightly |
| 5. ex-s__u conservation | <i>adj.</i> short for "situated," meaning located or placed in a particular position or circumstance |
| 6. a fair re____e | <i>n.</i> a person who controls the game in some sports by making players follow the rules |
| 7. the mo__o for safe traffic | <i>n.</i> a phrase or slogan that expresses a guiding principle or goal |
| 8. bankrupt cr____or | <i>n.</i> a person, company, etc. to whom a debtor owes money |
| 9. an ad____le person | <i>adj.</i> able or willing to modify or be modified to deal with new situations |
| 10. st____e climate | <i>n.</i> a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America |

ANSWERS: 1. predator, 2. adaptable, 3. congratulation, 4. annoy, 5. situ, 6. referee, 7. motto, 8. creditor, 9. adaptable, 10. steppe

11. avoid getting se____k *adj.* feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
12. in-s__u control *adj.* short for "situated," meaning located or placed in a particular position or circumstance
13. an__y at the time *v.* to make someone angry, anxious, or irritating slightly
14. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
15. hu____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
16. d__e landscape *n.* a valley or a broad, low area between hills or mountains, often with a stream or river running through it
17. hu____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
18. z__l for fitness *n.* great enthusiasm or passion for something; fervor; eagerness or intensity for a cause or purpose
19. play the a_e *n.* a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons
20. world's ep____e *n.* a person or thing that is a typical or perfect example of a particular quality or type

ANSWERS: 11. seasick, 12. situ, 13. annoy, 14. neuroscience, 15. humming, 16. dale, 17. humming, 18. zeal, 19. ape, 20. epitome

21. c__p my hands *v.* to hit your hands together and make a short and loud noise, mainly to show your approval or praise
22. cr___n her coloring books *n.* a stick of colored wax, charcoal, chalk, or other material used for drawing or coloring; (verb) to draw or color with crayons, which are sticks of colored wax, chalk, or charcoal used for drawing or coloring
23. assistant re_____e *n.* a person who controls the game in some sports by making players follow the rules
24. company mo__o *n.* a phrase or slogan that expresses a guiding principle or goal
25. sexual pr_____ors *n.* an animal whose natural behavior is to prey on others
26. barren st___e *n.* a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America
27. an ep_____e of history *n.* a person or thing that is a typical or perfect example of a particular quality or type
28. se_____k medication *adj.* feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

ANSWERS: 21. clap, 22. crayon, 23. referee, 24. motto, 25. predator, 26. steppe, 27. epitome, 28. seasick

29. cr___n drawing *n.* a stick of colored wax, charcoal, chalk, or other material used for drawing or coloring; (verb) to draw or color with crayons, which are sticks of colored wax, chalk, or charcoal used for drawing or coloring
30. con_____ion on a promotion *n.* the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another
31. jungle a_e *n.* a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons
32. religious z__l *n.* great enthusiasm or passion for something; fervor; eagerness or intensity for a cause or purpose
33. un_____in democratization *v.* to support or strengthen the foundations of something
34. c__p a book shut *v.* to hit your hands together and make a short and loud noise, mainly to show your approval or praise
35. online b__u *n.* a male partner or companion, especially a boyfriend or suitor; a wealthy or fashionable man who is attractive to women
36. secret s__t *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

ANSWERS: 29. crayon, 30. congratulation, 31. ape, 32. zeal, 33. underpin, 34. clap, 35. beau, 36. sect

37. a theoretical concept in
neu_____nce
38. the cr_____or's claims
39. s__t beliefs
40. do a mea_____ss task
41. un_____in a structure
42. an op_____ne remark
43. op_____ne occasion
44. charming b__u
45. a mea_____ss endeavor
46. fertile d__e
- n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
- n.* a person, company, etc. to whom a debtor owes money
- n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
- adj.* having no meaning, direction, or purpose
- v.* to support or strengthen the foundations of something
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
- n.* a male partner or companion, especially a boyfriend or suitor; a wealthy or fashionable man who is attractive to women
- adj.* having no meaning, direction, or purpose
- n.* a valley or a broad, low area between hills or mountains, often with a stream or river running through it

ANSWERS: 37. neuroscience, 38. creditor, 39. sect, 40. meaningless, 41. underpin, 42. opportune, 43. opportune, 44. beau, 45. meaningless, 46. dale

ANSWERS:

Session 3: Fill in the Blanks

1. She met her handsome _____ at a coffee shop in the city.
n. a male partner or companion, especially a boyfriend or suitor; a wealthy or fashionable man who is attractive to women
2. He was the _____ of courage, always standing up for his beliefs.
n. a person or thing that is a typical or perfect example of a particular quality or type
3. This experiment's results are _____ because the other conditions are not identical.
adj. having no meaning, direction, or purpose
4. The rough waves made some passengers feel _____ during the boat ride.
adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
5. The company's _____ is "Innovation and Service," which is reflected in its products and customer support.
n. a phrase or slogan that expresses a guiding principle or goal
6. I asked the lawyer to initiate _____ negotiations for voluntary liquidation.
n. a person, company, etc. to whom a debtor owes money
7. Our university is famous for its professors, who are well-versed in behavioral _____.
n. the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 1. beau, 2. epitome, 3. meaningless, 4. seasick, 5. motto, 6. creditor, 7. neuroscience

8. We seek a candidate who possesses _____ fighting potential.
adj. able or willing to modify or be modified to deal with new situations
9. The native South American animals were in danger because of the _____ arrival.
n. an animal whose natural behavior is to prey on others
10. The _____ blew his whistle.
n. a person who controls the game in some sports by making players follow the rules
11. The _____ from her friends and family were overwhelming after she won the championship.
n. the act of expressing that someone has an occasion for celebration or the expression of pleasure at the success or good fortune of another
12. 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
13. Her constant chatter was starting to _____ the neighbors.
v. to make someone angry, anxious, or irritating slightly
14. We _____ along with the singer's song.
v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise
15. The nomadic tribes set up camp on the vast _____.
n. a vast, wide, and usually treeless plain, typically found in semi-arid or arid regions, characterized by fertile soil and grassy vegetation, often used for grazing livestock; an expansive and open grassland ecosystem found in Eurasia and North America

ANSWERS: 8. adaptable, 9. predator's, 10. referee, 11. congratulations, 12. situ, 13. annoy, 14. clapped, 15. steppe

16. The teacher handed out several different colored _____ to each student.
- n.* a stick of colored wax, charcoal, chalk, or other material used for drawing or coloring; (verb) to draw or color with crayons, which are sticks of colored wax, chalk, or charcoal used for drawing or coloring
17. The scientist studied the behavior of _____ in the wild.
- n.* a large animal with long arms, no tail, and usually a lot of body hair, including gorillas, chimpanzees, orangutans, and gibbons
18. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
19. The grassy _____ was filled with wildflowers and grazing sheep.
- n.* a valley or a broad, low area between hills or mountains, often with a stream or river running through it
20. The research findings _____ the theory that human activities cause global warming.
- v.* to support or strengthen the foundations of something
21. The athlete brought great _____ to every competition, striving to be the best.
- n.* great enthusiasm or passion for something; fervor; eagerness or intensity for a cause or purpose
22. 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
23. The minority _____ believed in a set of unconventional religious practices.
- n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

ANSWERS: 16. crayons, 17. apes, 18. opportune, 19. dale, 20. underpin, 21. zeal, 22. humming, 23. sect

ANSWERS: