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Eric Berlow and Sean Gourley: Mapping ideas worth spreading | TED Talk

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

Advanced Words Only

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Session 1: Word List

ecologist

n. a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

synonym : conservationist, naturalist

(1) behavioral **ecologist**, (2) forestry **ecologist**

The forestry **ecologist** studied the interactions between the different species in the forest's ecosystem.

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

underlie

v. to be the support, basis, hidden cause of something; to be located under or below

synonym : govern, control, determine

(1) **underlie** the theory of the big bang, (2) **underlie** the current economic deadlock

His bitter experiences **underlie** his moral principles.

meme

n. a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation

rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online

synonym : buzzword, trend

(1) pronounce **meme**, (2) religious **meme**

This cute dog's photo spread around the world as an Internet **meme**.

footprint

n. a mark of a foot, shoe, or animal's foot left on a surface

synonym : footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

radiate

v. to spread out or emit something, such as light or heat, in all directions

synonym : give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

reminiscent

adj. making you remember someone or something; relating to the recall of personal interests

synonym : evocative, remindful, redolent

(1) **reminiscent** of ancient times, (2) **reminiscent** smile

His painting style is **reminiscent** of Monet's

smashing

adj. very successful or impressive; causing something to be broken or destroyed

synonym :

great, wonderful, breaking

(1) a **smashing** blow, (2) give **smashing** results

The band's new album was a **smashing** success, reaching the top of the charts.

nod

v. 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 **noded** quietly in response to the question.

interconnect

v. to connect similar things

synonym: interlink, connect, annex

(1) directly **interconnect** with those systems, (2) human activities **interconnect** with the environment

Our system can now **interconnect** with other databases.

storytelling

n. the act or art of narrating or writing stories

synonym: narrating, relating, recounting

(1) **storytelling** performance, (2) courtroom **storytelling**

She was skilled in **storytelling** techniques, such as using different voices for other characters.

fractal

n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

synonym: pattern, design, geometry

(1) **fractal** pattern, (2) **fractal** art

The coastline of Norway is one of the most famous examples of **fractal** geometry in nature.

resonate

v. to be filled with a deep echoing sound

synonym: echo, reverberate, resound

(1) deeply **resonate** with the consumers, (2) **resonate** in the same frequency

The sound **resonates** well in this theater.

optimism

n. a feeling or the belief that good things will happen, or the quality of being full of hope and emphasizing the positive aspects of a situation

synonym: positiveness, sanguinity, bullishness

(1) sense of **optimism**, (2) political **optimism**

There is considerable **optimism** that the economy will recover soon.

bury

v. to place a dead body in the ground, grave, or tomb

synonym: entomb, sink, forget

(1) **bury** in the earth, (2) **bury** emotion

There is plenty of space to **bury** everyone.

emergent

adj. starting to exist or view, or to become known

synonym: coming, appearing, developing

(1) **emergent** repair of an aorta, (2) an **emergent** republic

Extensive areas of **emergent** plants are usually called marsh.

remix

v. to compose a piece of media that has been altered or contorted from its original state by adding, removing, or changing elements of the item

synonym: recreate, recompose, alter

(1) **remix** a couple of tracks, (2) **remix** the album

He **remixed** the tracks to give them a jazz feel.

hallmark

n. a distinctive characteristic or attribute of a person or thing

synonym: symbol, authentication, indication

(1) the **hallmark** of a good scientist, (2) the **hallmark** of modern life

A clear and simple expression is the **hallmark** of good writing.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym : germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

synthesize

v. to combine a substance to make a more complex product or compound

synonym : incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

stratosphere

n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

synonym : upper atmosphere, ozone layer

(1) **stratosphere** layer, (2) **stratosphere** ozone

The ozone layer, which protects us from harmful UV radiation, is in the **stratosphere**.

disparate

adj. very different or distinct from something else and is not connected or comparable in any way

synonym : different, distinct, separate

(1) **disparate** impact, (2) physically **disparate** location

The organization worked to bring together **disparate** groups in the community.

obsession

n. the state in which a person's mind is filled with thoughts of one single object or particular person

synonym : compulsion, fixation, enthusiasm

(1) **obsession** with character, (2) national **obsession**

Gambling became an **obsession** for him, and he eventually lost everything.

Session 2: Spelling

1. str_____ere ozone *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
2. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
3. n_d at each other *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
4. courtroom sto_____ing *n.* the act or art of narrating or writing stories
5. give sm_____ng results *adj.* very successful or impressive; causing something to be broken or destroyed
6. un_____ie the current economic deadlock *v.* to be the support, basis, hidden cause of something; to be located under or below
7. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
8. the ha_____rk of modern life *n.* a distinctive characteristic or attribute of a person or thing
9. rem_____nt smile *adj.* making you remember someone or something; relating to the recall of personal interests
10. behavioral ec_____st *n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

ANSWERS: 1. stratosphere, 2. microbe, 3. nod, 4. storytelling, 5. smashing, 6. underlie, 7. synthesize, 8. hallmark, 9. reminiscent, 10. ecologist

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|---|------|--|
| 11. deeply re_____te with the consumers | v. | to be filled with a deep echoing sound |
| 12. syn_____ze information | v. | to combine a substance to make a more complex product or compound |
| 13. the fo_____nts of an earlier civilization | n. | a mark of a foot, shoe, or animal's foot left on a surface |
| 14. fr_____l pattern | n. | a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations |
| 15. ex_____e in popularity | v. | to burst or break open violently and noisily; to cause something to burst or break open |
| 16. forestry ec_____st | n. | a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior |
| 17. b__y emotion | v. | to place a dead body in the ground, grave, or tomb |
| 18. human activities int_____ect with the environment | v. | to connect similar things |
| 19. an em_____nt republic | adj. | starting to exist or view, or to become known |
| 20. n_d courteously | v. | to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation |
| 21. religious m__e | n. | a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online |

ANSWERS: 11. resonate, 12. synthesize, 13. footprint, 14. fractal, 15. explode, 16.

ecologist, 17. bury, 18. interconnect, 19. emergent, 20. nod, 21. meme

22. un_____ie the theory of the big bang *v.* to be the support, basis, hidden cause of something; to be located under or below
23. theoretical ph_____st *n.* a scientist who specializes in the field of physics
24. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
25. fo_____nts in the snow *n.* a mark of a foot, shoe, or animal's foot left on a surface
26. a sm_____ng blow *adj.* very successful or impressive; causing something to be broken or destroyed
27. the ha_____rk of a good scientist *n.* a distinctive characteristic or attribute of a person or thing
28. str_____ere layer *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
29. re_____te in the same frequency *v.* to be filled with a deep echoing sound
30. sto_____ing performance *n.* the act or art of narrating or writing stories
31. talented ph_____st *n.* a scientist who specializes in the field of physics
32. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
33. directly int_____ect with those systems *v.* to connect similar things

ANSWERS: 22. underlie, 23. physicist, 24. microbe, 25. footprint, 26. smashing, 27. hallmark, 28. stratosphere, 29. resonate, 30. storytelling, 31. physicist, 32. explode, 33. interconnect

34. ob_____on with character *n.* the state in which a person's mind is filled with thoughts of one single object or particular person
35. em_____nt repair of an aorta *adj.* starting to exist or view, or to become known
36. ra_____e an aura *v.* to spread out or emit something, such as light or heat, in all directions
37. re__x the album *v.* to compose a piece of media that has been altered or contorted from its original state by adding, removing, or changing elements of the item
38. sense of op_____sm *n.* a feeling or the belief that good things will happen, or the quality of being full of hope and emphasizing the positive aspects of a situation
39. re__x a couple of tracks *v.* to compose a piece of media that has been altered or contorted from its original state by adding, removing, or changing elements of the item
40. political op_____sm *n.* a feeling or the belief that good things will happen, or the quality of being full of hope and emphasizing the positive aspects of a situation
41. ra_____e in all directions *v.* to spread out or emit something, such as light or heat, in all directions
42. fr_____l art *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

ANSWERS: 34. obsession, 35. emergent, 36. radiate, 37. remix, 38. optimism, 39. remix, 40. optimism, 41. radiate, 42. fractal

43. national ob_____on *n.* the state in which a person's mind is filled with thoughts of one single object or particular person
44. pronounce m__e *n.* a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online
45. physically di_____te location *adj.* very different or distinct from something else and is not connected or comparable in any way
46. b__y in the earth *v.* to place a dead body in the ground, grave, or tomb
47. rem_____nt of ancient times *adj.* making you remember someone or something; relating to the recall of personal interests
48. di_____te impact *adj.* very different or distinct from something else and is not connected or comparable in any way

ANSWERS: 43. obsession, 44. meme, 45. disparate, 46. bury, 47. reminiscent, 48. disparate

Session 3: Fill in the Blanks

1. Our system can now _____ with other databases.
v. to connect similar things

2. His bitter experiences _____ his moral principles.
v. to be the support, basis, hidden cause of something; to be located under or below

3. The ozone layer, which protects us from harmful UV radiation, is in the _____.
n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

4. The sound _____ well in this theater.
v. to be filled with a deep echoing sound

5. His painting style is _____ of Monet's
adj. making you remember someone or something; relating to the recall of personal interests

6. She _____ quietly in response to the question.
v. to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation

7. Roads _____ from the famous building in the center of the city.
v. to spread out or emit something, such as light or heat, in all directions

8. We choose transportation that has a smaller carbon _____.
n. a mark of a foot, shoe, or animal's foot left on a surface

ANSWERS: 1. interconnect, 2. underlie, 3. stratosphere, 4. resonates, 5. reminiscent, 6. nodded, 7. radiate, 8. footprint

9. Einstein was an outstanding and famous _____ of the 20th century.
- n.* a scientist who specializes in the field of physics
10. He _____ the tracks to give them a jazz feel.
- v.* to compose a piece of media that has been altered or contorted from its original state by adding, removing, or changing elements of the item
11. The coastline of Norway is one of the most famous examples of _____ geometry in nature.
- n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
12. Gambling became an _____ for him, and he eventually lost everything.
- n.* the state in which a person's mind is filled with thoughts of one single object or particular person
13. There is plenty of space to _____ everyone.
- v.* to place a dead body in the ground, grave, or tomb
14. This cute dog's photo spread around the world as an Internet _____.
- n.* a cultural idea, value, or pattern of behavior that is passed from one generation to another by imitation rather than genetic means; (as an Internet meme) an image, a video, a piece of text, etc. that is remixed, copied, and circulated in a shared cultural experience online
15. A clear and simple expression is the _____ of good writing.
- n.* a distinctive characteristic or attribute of a person or thing
16. She was skilled in _____ techniques, such as using different voices for other characters.
- n.* the act or art of narrating or writing stories

ANSWERS: 9. physicist, 10. remixed, 11. fractal, 12. obsession, 13. bury, 14. meme, 15. hallmark, 16. storytelling

17. Extensive areas of _____ plants are usually called marsh.

adj. starting to exist or view, or to become known

18. _____ thrive on the surface of the human skin.

n. a tiny living thing that can only be seen with a microscope and that may cause disease

19. There is considerable _____ that the economy will recover soon.

n. a feeling or the belief that good things will happen, or the quality of being full of hope and emphasizing the positive aspects of a situation

20. The spider can _____ multiple different silk proteins.

v. to combine a substance to make a more complex product or compound

21. The organization worked to bring together _____ groups in the community.

adj. very different or distinct from something else and is not connected or comparable in any way

22. The old building _____ in a fiery inferno.

v. to burst or break open violently and noisily; to cause something to burst or break open

23. The forestry _____ studied the interactions between the different species in the forest's ecosystem.

n. a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

24. The band's new album was a _____ success, reaching the top of the charts.

adj. very successful or impressive; causing something to be broken or destroyed

ANSWERS: 17. emergent, 18. Microbes, 19. optimism, 20. synthesize, 21. disparate, 22. exploded, 23. ecologist, 24. smashing

ANSWERS: