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Aditi Shankardass: A second opinion on developmental disorders | TED Talk

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Advanced Words Only

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Session 1: Word List

powerhouse

n. an electrical generating station; a person, organization, or thing that is extremely successful or influential

synonym: center of power, fireball, human dynamo

(1) **powerhouse** actors, (2) **powerhouse** economy

The company has become a **powerhouse** in the tech industry with its innovative products and services.

neurological

adj. of or relating to the science of neurology or the nervous system

synonym: nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

dyslexia

n. a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills

synonym: reading disability, word blindness, dysgraphia

(1) student with **dyslexia**, (2) diagnosis of **dyslexia**
Educators need to understand how **dyslexia** affects students' reading abilities.

startling

adj. extremely surprising, astonishing, and sometimes worrying

synonym: alarming, astonishing, shocking

(1) **startling** earthquake shocks, (2) **startling** discovery
He describes the story with **startling** reality.

retard

v. to hinder, delay, or slow down the progress or development of something; to cause someone or something to be delayed or held back

synonym: delay, hinder, impede

(1) **retard** progress, (2) **retard** the growth
Excessive alcohol consumption may confuse time, blur vision, dim alertness, and **retard** response.

impair

v. to damage something or make it weaker or worse

synonym: degrade, mar, deface

(1) **impair** my health, (2) **impair** insulin sensitivity
The accident made his vision **impaired**.

perplexity

n. confusion, doubt; state of being puzzled

synonym: confusion, bewilderment, uncertainty

(1) a **perplexity** issue, (2) resolve **perplexity**
The **perplexity** of the situation left everyone at a loss for words.

observable

adj. that can be noticed or seen

synonym: visible, perceptible, detectable

(1) **observable** change, (2) experimentally **observable**
Any theorem relies on both **observable** fact and assumption.

mislead

v. to cause someone to believe something that is not true

synonym: misinform, delude, belie

(1) **mislead** him into trusting her, (2) **mislead** the enemy
Our troops pulled back to **mislead** the enemy.

groundbreaking

adj. producing fresh findings; using novel techniques
synonym : innovative, revolutionary

(1) **groundbreaking** concept, (2) **groundbreaking** settlement

He has produced **groundbreaking** research on the subject.

audition

n. a performance or test given by an actor, musician, or other performers to demonstrate their abilities and suitability for a particular role or position

synonym : tryout, test

(1) music **audition**, (2) dance **audition**

I have an **audition** for a role in a play tomorrow.

triangulation

n. the process of determining the location or position of something, such as an object, place, or point, by measuring the angles or distances between multiple reference points or landmarks

synonym : measurement, surveying, trilateration

(1) **triangulation** method, (2) political **triangulation**

The archaeologists used GPS **triangulation** to accurately map the ancient ruins.

probabilistic

adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

synonym : probable, statistical, likely

(1) **probabilistic** model, (2) **probabilistic** approach

In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

determinant

n. 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.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

aft

adj. (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle

(1) **aft** cabin, (2) **aft** view

The **aft** section of the ship suffered significant damage after the collision with the reef.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

karate

n. a Japanese martial art that emphasizes hand and foot strikes, blocks, and evasions, often using a combination of techniques to overpower an opponent, also seen as a form of self-defense and physical training

synonym: martial art, self-defense discipline

(1) **karate** moves, (2) black belt in **karate**

She has been practicing **karate** for years and has won many tournaments.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per

minute

synonym : revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

undetected

adj. not perceived or discovered

synonym : undiscovered, hidden, concealed

(1) **undetected** cancer, (2) leave the house **undetected**

Doctors made mistakes, and diseases remained **undetected**.

worsen

v. to become or make something worse

synonym : languish, degenerate, degrade

(1) **worsen** a relation, (2) **worsen** the food problem

Unilateral import bans have **worsened** that country's terms of trade.

undue

adj. excessive, unwarranted, or improper; not justified by the circumstances; beyond what is appropriate or reasonable

synonym : excessive, unwarranted, unjustified

(1) **undue** favoritism towards certain industries, (2) **undue** hardship

Undue pressure from my boss caused me to feel overwhelmed and stressed.

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**.

brainwave

n. a sudden idea or inspiration; a moment of great insight or creativity

synonym : inspiration, brainstorm, revelation

(1) **brainwave** idea, (2) sudden **brainwave**

The engineer had a **brainwave** and redesigned the product to be more efficient.

Session 2: Spelling

1. gro_____ing concept *adj.* producing fresh findings; using novel techniques
2. diagnosis of dy_____ia *n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
3. mi_____d the enemy *v.* to cause someone to believe something that is not true
4. ka_____e moves *n.* a Japanese martial art that emphasizes hand and foot strikes, blocks, and evasions, often using a combination of techniques to overpower an opponent, also seen as a form of self-defense and physical training
5. im____r insulin sensitivity *v.* to damage something or make it weaker or worse
6. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
7. im____r my health *v.* to damage something or make it weaker or worse
8. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system

ANSWERS: 1. groundbreaking, 2. dyslexia, 3. mislead, 4. karate, 5. impair, 6. neuroscience, 7. impair, 8. neurological

9. pow_____se economy *n.* an electrical generating station; a person, organization, or thing that is extremely successful or influential
10. wo___n the food problem *v.* to become or make something worse
11. experimentally obs_____le *adj.* that can be noticed or seen
12. music au_____on *n.* a performance or test given by an actor, musician, or other performers to demonstrate their abilities and suitability for a particular role or position
13. a per_____ty issue *n.* confusion, doubt; state of being puzzled
14. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
15. leave the house und_____ed *adj.* not perceived or discovered
16. political tri_____ion *n.* the process of determining the location or position of something, such as an object, place, or point, by measuring the angles or distances between multiple reference points or landmarks
17. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
18. pow_____se actors *n.* an electrical generating station; a person, organization, or thing that is extremely successful or influential
19. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation

ANSWERS: 9. powerhouse, 10. worsen, 11. observable, 12. audition, 13. perplexity, 14. mimic, 15. undetected, 16. triangulation, 17. neuroscience, 18. powerhouse, 19. improvisation

20. black belt in ka___e *n.* a Japanese martial art that emphasizes hand and foot strikes, blocks, and evasions, often using a combination of techniques to overpower an opponent, also seen as a form of self-defense and physical training
21. a_t cabin *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
22. dance au____on *n.* a performance or test given by an actor, musician, or other performers to demonstrate their abilities and suitability for a particular role or position
23. a_t view *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
24. und_____ed cancer *adj.* not perceived or discovered
25. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
26. un__e hardship *adj.* excessive, unwarranted, or improper; not justified by the circumstances; beyond what is appropriate or reasonable
27. re___d progress *v.* to hinder, delay, or slow down the progress or development of something; to cause someone or something to be delayed or held back

ANSWERS: 20. karate, 21. aft, 22. audition, 23. aft, 24. undetected, 25. rev, 26. undue, 27. retard

28. mi_____d him into trusting her *v.* to cause someone to believe something that is not true
29. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
30. st_____ng earthquake shocks *adj.* extremely surprising, astonishing, and sometimes worrying
31. tri_____ion method *n.* the process of determining the location or position of something, such as an object, place, or point, by measuring the angles or distances between multiple reference points or landmarks
32. st_____ng discovery *adj.* extremely surprising, astonishing, and sometimes worrying
33. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
34. re___d the growth *v.* to hinder, delay, or slow down the progress or development of something; to cause someone or something to be delayed or held back
35. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
36. gro_____ing settlement *adj.* producing fresh findings; using novel techniques

ANSWERS: 28. mislead, 29. rev, 30. startling, 31. triangulation, 32. startling, 33. improvisation, 34. retard, 35. determinant, 36. groundbreaking

37. un__e favoritism towards certain industries *adj.* excessive, unwarranted, or improper; not justified by the circumstances; beyond what is appropriate or reasonable
38. pro_____tic model *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
39. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
40. pro_____tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
41. student with dy_____ia *n.* a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills
42. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
43. resolve per_____ty *n.* confusion, doubt; state of being puzzled
44. sudden br_____ve *n.* a sudden idea or inspiration; a moment of great insight or creativity

ANSWERS: 37. undue, 38. probabilistic, 39. mimic, 40. probabilistic, 41. dyslexia, 42. determinant, 43. perplexity, 44. brainwave

45. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
46. br_____ve idea *n.* a sudden idea or inspiration; a moment of great insight or creativity
47. wo___n a relation *v.* to become or make something worse
48. obs_____le change *adj.* that can be noticed or seen

ANSWERS: 45. neurological, 46. brainwave, 47. worsen, 48. observable

Session 3: Fill in the Blanks

1. The _____ of the situation left everyone at a loss for words.
n. confusion, doubt; state of being puzzled

2. He is very popular at school because he can _____ all the teachers' accents.
v. to imitate someone's speech, movement, or behavior, especially to make others laugh

3. 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

4. She has been practicing _____ for years and has won many tournaments.
n. a Japanese martial art that emphasizes hand and foot strikes, blocks, and evasions, often using a combination of techniques to overpower an opponent, also seen as a form of self-defense and physical training

5. The company has become a _____ in the tech industry with its innovative products and services.
n. an electrical generating station; a person, organization, or thing that is extremely successful or influential

6. Our troops pulled back to _____ the enemy.
v. to cause someone to believe something that is not true

7. He has produced _____ research on the subject.
adj. producing fresh findings; using novel techniques

ANSWERS: 1. perplexity, 2. mimic, 3. improvisation, 4. karate, 5. powerhouse, 6. mislead, 7. groundbreaking

8. _____ pressure from my boss caused me to feel overwhelmed and stressed.
adj. excessive, unwarranted, or improper; not justified by the circumstances; beyond what is appropriate or reasonable
9. He stepped on the gas pedal, and the engine released a loud _____.
n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
10. The engineer had a _____ and redesigned the product to be more efficient.
n. a sudden idea or inspiration; a moment of great insight or creativity
11. He describes the story with _____ reality.
adj. extremely surprising, astonishing, and sometimes worrying
12. Excessive alcohol consumption may confuse time, blur vision, dim alertness, and _____ response.
v. to hinder, delay, or slow down the progress or development of something; to cause someone or something to be delayed or held back
13. In a _____ system, the outcome is uncertain and can vary based on chance.
adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
14. Educators need to understand how _____ affects students' reading abilities.
n. a neurological condition that affects a person's ability to read, write, and spell, often despite normal or above-average intelligence, effective teaching, and adequate motivation, which is characterized by difficulty in the phonological coding of written words, poor phonological awareness, and poor reading fluency and decoding skills

ANSWERS: 8. Undue, 9. rev, 10. brainwave, 11. startling, 12. retard, 13. probabilistic, 14. dyslexia

15. The archaeologists used GPS _____ to accurately map the ancient ruins.
- n.* the process of determining the location or position of something, such as an object, place, or point, by measuring the angles or distances between multiple reference points or landmarks
16. Any theorem relies on both _____ fact and assumption.
- adj.* that can be noticed or seen
17. The patient was diagnosed with a _____ disorder affecting their motor skills.
- adj.* of or relating to the science of neurology or the nervous system
18. 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
19. The ___ section of the ship suffered significant damage after the collision with the reef.
- adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
20. 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
21. Unilateral import bans have _____ that country's terms of trade.
- v.* to become or make something worse

ANSWERS: 15. triangulation, 16. observable, 17. neurological, 18. determinant, 19. aft, 20. neuroscience, 21. worsened

22. I have an _____ for a role in a play tomorrow.

n. a performance or test given by an actor, musician, or other performers to demonstrate their abilities and suitability for a particular role or position

23. Doctors made mistakes, and diseases remained _____.

adj. not perceived or discovered

24. The accident made his vision _____.

v. to damage something or make it weaker or worse

ANSWERS: 22. audition, 23. undetected, 24. impaired