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Vocabulary Builder Reference from...

Rupal Patel: Synthetic voices, as unique as fingerprints | TED Talk

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

Advanced Words Only

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Session 1: Word List

voiceprint

n. a visual representation of someone's unique vocal characteristics, including pitch, tone, and pronunciation, which can be used for identification or verification purposes

(1) **voiceprint** authentication, (2) analyze **voiceprint**

The security system at the office uses **voiceprint** recognition to grant access to authorized personnel.

fascinate

v. to attract and hold the attention of someone deeply and irresistibly

synonym: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

hawk

n. a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations

synonym: militarist, jingo, aggressor

(1) cast off a **hawk**, (2) congressional **hawk**

That team signed a center forward who was a ball- **hawk**.

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.

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.

prosthetic

adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

utterance

n. spoken or written words or phrases; the act of expressing or producing sounds or words

synonym: expression, articulation, declaration

(1) poetic **utterance**, (2) political **utterance**

The doctor carefully listened to her patient's **utterances** to diagnose his condition.

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.

vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym: oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger

During the flight, the wings of the plane **vibrate**.

consonant

n. a speech sound that is produced by completely or partially blocking the airflow through the mouth; a letter or group of letters representing a consonant sound, for example, "b," "c," "d," etc.

synonym: agreement, harmony, concord

(1) **consonant** blends, (2) a medial **consonant**

The **consonant** sounds at the beginning and end of the word made it easy to pronounce.

vowel

n. a speech sound pronounced with an open vocal tract, typically made by vibrating the vocal cords and without any constriction or obstruction of airflow in the lungs or mouth

synonym: letter, sound, syllable

(1) **vowel** chart, (2) **vowel** combination

Please pronounce your name slowly and emphasize the **vowel** sounds.

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**.

modulate

v. to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

synonym: regulate, inflect, adjust

(1) **modulate** the function, (2) **modulate** from one key to another

These chemicals **modulate** the effect of metabolism.

prosody

n. the patterns of rhythm and sound in language, including the study of meter, rhyme, and intonation; the study of versification and poetic structure; the way in which speech sounds, stress patterns, and intonation are used in poetry and formal speech

synonym: meter, rhythm, verse

(1) emotional **prosody**, (2) unique **prosody** style
The **prosody** analysis of the poem revealed intricate rhythmic patterns.

surrogate

adj. acting as a substitute or replacement for someone or something else; having a similar function or purpose
synonym: substitute, replacement, deputy

(1) **surrogate** pregnancy, (2) **surrogate** decision
The **surrogate** mother gave birth to a healthy baby for the couple who couldn't conceive independently.

ominous

adj. giving the impression that something bad is going to happen; foreboding
synonym: foreboding, portentous, ominous

(1) an **ominous** silence, (2) **ominous** sign
The **ominous** clouds in the sky foretold of an approaching storm.

snippet

n. a small piece or brief extract of something
synonym: fragment, excerpt, brief

(1) **snippet** of wisdom, (2) code **snippet**
The journalist saved a **snippet** of the interview for later reference.

dataset

n. a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes
synonym: data array, database

(1) **dataset** analysis, (2) publicly available **dataset**
The scientist analyzed the large **dataset** to conclude the experiment.

concatenate

v. to link or connect in a series or chain; to combine or merge multiple things into a single entity or sequence
synonym: link, combine, merge

(1) **concatenate** strings, (2) **concatenate** columns

We need to **concatenate** multiple files into one document for easy access.

infuse

v. to fill something with a particular quality, feeling, or influence; to imbue

synonym: instill, fill, permeate

(1) **infuse** with spirit, (2) **infuse** life with meaning

She **infused** fresh herbs into the soup for added flavor.

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.

envision

v. to imagine or expect what a situation will be like in the future

synonym: anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success

We cannot **envision** her as President.

Session 2: Spelling

1. cast off a h__k *n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations
2. su_____te pregnancy *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
3. co_____nt blends *n.* a speech sound that is produced by completely or partially blocking the airflow through the mouth; a letter or group of letters representing a consonant sound, for example, "b," "c," "d," etc.
4. im___r insulin sensitivity *v.* to damage something or make it weaker or worse
5. poetic ut_____ce *n.* spoken or written words or phrases; the act of expressing or producing sounds or words
6. in___e life with meaning *v.* to fill something with a particular quality, feeling, or influence; to imbue
7. pro_____ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
8. code sn_____t *n.* a small piece or brief extract of something
9. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system

ANSWERS: 1. hawk, 2. surrogate, 3. consonant, 4. impair, 5. utterance, 6. infuse, 7. prosthetic, 8. snippet, 9. neurological

10. da____t analysis *n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes
11. vi____e with anger *v.* to move or cause anything to move fast and in small increments from side to side
12. co____r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
13. en____on the project's success *v.* to imagine or expect what a situation will be like in the future
14. en____on the future *v.* to imagine or expect what a situation will be like in the future
15. im____r my health *v.* to damage something or make it weaker or worse
16. a medial co____nt *n.* a speech sound that is produced by completely or partially blocking the airflow through the mouth; a letter or group of letters representing a consonant sound, for example, "b," "c," "d," etc.
17. ex____e rebellion *v.* to make someone feel suddenly enthusiastic or eager
18. in____e with spirit *v.* to fill something with a particular quality, feeling, or influence; to imbue
19. rec____ct the original text *v.* to build or form something again that has been damaged or destroyed

ANSWERS: 10. dataset, 11. vibrate, 12. confer, 13. envision, 14. envision, 15. impair, 16. consonant, 17. excite, 18. infuse, 19. reconstruct

20. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
21. om____s sign *adj.* giving the impression that something bad is going to happen; foreboding
22. rec____ct an image *v.* to build or form something again that has been damaged or destroyed
23. fa____te the young *v.* to attract and hold the attention of someone deeply and irresistibly
24. sn____t of wisdom *n.* a small piece or brief extract of something
25. fa____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
26. voi____nt authentication *n.* a visual representation of someone's unique vocal characteristics, including pitch, tone, and pronunciation, which can be used for identification or verification purposes
27. vi____e at a regular frequency *v.* to move or cause anything to move fast and in small increments from side to side
28. an om____s silence *adj.* giving the impression that something bad is going to happen; foreboding
29. con____te strings *v.* to link or connect in a series or chain; to combine or merge multiple things into a single entity or sequence
30. unique pr____y style *n.* the patterns of rhythm and sound in language, including the study of meter, rhyme, and intonation; the study of versification and poetic structure; the way in which speech sounds, stress patterns, and intonation are used in poetry and formal speech

ANSWERS: 20. excite, 21. ominous, 22. reconstruct, 23. fascinate, 24. snippet, 25. fascinate, 26. voiceprint, 27. vibrate, 28. ominous, 29. concatenate, 30. prosody

31. have pro_____ic arms *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
32. political ut_____ce *n.* spoken or written words or phrases; the act of expressing or producing sounds or words
33. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
34. vo__l combination *n.* a speech sound pronounced with an open vocal tract, typically made by vibrating the vocal cords and without any constriction or obstruction of airflow in the lungs or mouth
35. co___r honor *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
36. congressional h__k *n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations
37. con_____te columns *v.* to link or connect in a series or chain; to combine or merge multiple things into a single entity or sequence
38. mo_____te the function *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
39. emotional pr_____y *n.* the patterns of rhythm and sound in language, including the study of meter, rhyme, and intonation; the study of versification and poetic structure; the way in which speech sounds, stress patterns, and intonation are used in poetry and formal speech

ANSWERS: 31. prosthetic, 32. utterance, 33. neurological, 34. vowel, 35. confer, 36. hawk, 37. concatenate, 38. modulate, 39. prosody

40. mo_____te from one key to another *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
41. analyze voi_____nt *n.* a visual representation of someone's unique vocal characteristics, including pitch, tone, and pronunciation, which can be used for identification or verification purposes
42. su_____te decision *adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
43. vo__l chart *n.* a speech sound pronounced with an open vocal tract, typically made by vibrating the vocal cords and without any constriction or obstruction of airflow in the lungs or mouth
44. publicly available da_____t *n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes

ANSWERS: 40. modulate, 41. voiceprint, 42. surrogate, 43. vowel, 44. dataset

Session 3: Fill in the Blanks

1. That team signed a center forward who was a ball-_____.
 - n.* a bird of prey typically having short rounded wings and a long tail; an advocate of an aggressive policy on foreign relations

2. The security system at the office uses _____ recognition to grant access to authorized personnel.
 - n.* a visual representation of someone's unique vocal characteristics, including pitch, tone, and pronunciation, which can be used for identification or verification purposes

3. 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

4. We need to _____ multiple files into one document for easy access.
 - v.* to link or connect in a series or chain; to combine or merge multiple things into a single entity or sequence

5. The _____ sounds at the beginning and end of the word made it easy to pronounce.
 - n.* a speech sound that is produced by completely or partially blocking the airflow through the mouth; a letter or group of letters representing a consonant sound, for example, "b," "c," "d," etc.

6. During the flight, the wings of the plane _____.
 - v.* to move or cause anything to move fast and in small increments from side to side

ANSWERS: 1. hawk, 2. voiceprint, 3. confer, 4. concatenate, 5. consonant, 6. vibrate

7. The doctor carefully listened to her patient's _____ to diagnose his condition.
n. spoken or written words or phrases; the act of expressing or producing sounds or words
8. They've decided to _____ a ruined castle.
v. to build or form something again that has been damaged or destroyed
9. New _____ joints are less prone to metal poisoning.
adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
10. We cannot _____ her as President.
v. to imagine or expect what a situation will be like in the future
11. She _____ fresh herbs into the soup for added flavor.
v. to fill something with a particular quality, feeling, or influence; to imbue
12. The patient was diagnosed with a _____ disorder affecting their motor skills.
adj. of or relating to the science of neurology or the nervous system
13. The journalist saved a _____ of the interview for later reference.
n. a small piece or brief extract of something
14. The _____ clouds in the sky foretold of an approaching storm.
adj. giving the impression that something bad is going to happen; foreboding
15. The magic tricks _____ the children.
v. to attract and hold the attention of someone deeply and irresistibly

ANSWERS: 7. utterances, 8. reconstruct, 9. prosthetic, 10. envision, 11. infused, 12. neurological, 13. snippet, 14. ominous, 15. fascinated

16. Please pronounce your name slowly and emphasize the _____ sounds.
- n.* a speech sound pronounced with an open vocal tract, typically made by vibrating the vocal cords and without any constriction or obstruction of airflow in the lungs or mouth
17. The _____ analysis of the poem revealed intricate rhythmic patterns.
- n.* the patterns of rhythm and sound in language, including the study of meter, rhyme, and intonation; the study of versification and poetic structure; the way in which speech sounds, stress patterns, and intonation are used in poetry and formal speech
18. The accident made his vision _____.
- v.* to damage something or make it weaker or worse
19. The scientist analyzed the large _____ to conclude the experiment.
- n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes
20. The news of her promotion _____ her.
- v.* to make someone feel suddenly enthusiastic or eager
21. The _____ mother gave birth to a healthy baby for the couple who couldn't conceive independently.
- adj.* acting as a substitute or replacement for someone or something else; having a similar function or purpose
22. These chemicals _____ the effect of metabolism.
- v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

ANSWERS: 16. vowel, 17. prosody, 18. impaired, 19. dataset, 20. excited, 21. surrogate, 22. modulate

ANSWERS: