

# Englist.me



## Vocabulary Builder Reference from...

*Skylar Tibbits: Can we make things that make themselves? | TED Talk*

[https://www.ted.com/talks/skylar\\_tibbits\\_can\\_we\\_make\\_things\\_that\\_make\\_themselves](https://www.ted.com/talks/skylar_tibbits_can_we_make_things_that_make_themselves)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### skyscraper

*n.* a very tall building, typically one in a city

*synonym*: high-rise, tower

(1) **skyscraper** apartment house, (2) steel-framed

### skyscraper

The 50-floor **skyscraper** loomed over the city, dwarfing the other buildings.

### nanosecond

*n.* one thousand millionth or billionth (= 0.000,000,001) of a second

(1) **nanosecond** response, (2) **nanosecond** laser pulse

The processor performs calculations on the **nanosecond** timescale.

### longevity

*n.* the property of being long-lived; significant duration of service

*synonym*: seniority, endurance

(1) **longevity** crisis, (2) **longevity** genes

He is proud of the **longevity** of the business.

### decode

*v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand

*synonym*: decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences  
The software could **decode** the encrypted data and reveal the hidden information.

## reconfigure

v. to change the configuration or arrangement of something, often to improve its performance or functionality

*synonym*: reshape, restructure, realign

(1) **reconfigure** the network, (2) **reconfigure** the operating system

We need to **reconfigure** the office layout to use the space better.

## 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**.

## embed

v. to fix or set firmly in a surrounding mass

*synonym*: entrench, fix, set

(1) **embed** scripts in the message, (2) **embed** a sensor

The company **embedded** a tracking code in the product's packaging to monitor its shipment.

## tetrahedron

n. a solid geometric figure with four triangular faces, typically used in 3d geometry

*synonym*: triangular pyramid, four-faced solid

(1) regular **tetrahedron**, (2) **tetrahedron** molecule

In chemistry and physics, the **tetrahedron** shape describes the geometry of certain molecules and crystals.

## blueprint

n. a photographic print of an early plan for a building or machine

*synonym*: draft, prototype, sketch

(1) **blueprint** for economic reform, (2) architect's **blueprint**

A business plan is a **blueprint** for your success.

## **replicate**

v. to make an exact copy of something; to repeat a process or experiment to confirm the results

*synonym*: duplicate, imitate, reproduce

(1) **replicate** the cell, (2) **replicate** data

The experiment was **replicated** several times to ensure accuracy.

## Session 2: Spelling

- |                                 |    |  |
|---------------------------------|----|--|
| 1. r_t with age                 | v. | to decay, or cause something to decay, naturally and gradually   |
| 2. re_____te the cell           | v. | to make an exact copy of something; to repeat a process or experiment to confirm the results               |
| 3. em__d scripts in the message | v. | to fix or set firmly in a surrounding mass   |
| 4. architect's bl_____nt        | n. | a photographic print of an early plan for a building or machine  |
| 5. regular tet_____on           | n. | a solid geometric figure with four triangular faces, typically used in 3d geometry                         |
| 6. nan_____nd response          | n. | one thousand millionth or billionth (= 0.000,000,001) of a second  |
| 7. lo_____ty genes              | n. | the property of being long-lived; significant duration of service  |
| 8. steel-framed sky_____er      | n. | a very tall building, typically one in a city  |
| 9. nan_____nd laser pulse       | n. | one thousand millionth or billionth (= 0.000,000,001) of a second  |
| 10. em__d a sensor              | v. | to fix or set firmly in a surrounding mass   |
| 11. re_____te data              | v. | to make an exact copy of something; to repeat a process or experiment to confirm the results               |
| 12. rec_____re the network      | v. | to change the configuration or arrangement of something, often to improve its performance or functionality |

ANSWERS: 1. rot, 2. replicate, 3. embed, 4. blueprint, 5. tetrahedron, 6. nanosecond, 7. longevity, 8. skyscraper, 9. nanosecond, 10. embed, 11. replicate, 12. reconfigure

- |                                       |           |  |
|---------------------------------------|-----------|--|
| 13. de___e a message                  | <i>v.</i> | to convert something, such as a message or piece of information, from a specific form into one that you can understand |
| 14. tet_____on molecule               | <i>n.</i> | a solid geometric figure with four triangular faces, typically used in 3d geometry                                     |
| 15. lo_____ty crisis                  | <i>n.</i> | the property of being long-lived; significant duration of service  |
| 16. bl_____nt for economic reform     | <i>n.</i> | a photographic print of an early plan for a building or machine  |
| 17. ability to de___e the differences | <i>v.</i> | to convert something, such as a message or piece of information, from a specific form into one that you can understand |
| 18. sky_____er apartment house        | <i>n.</i> | a very tall building, typically one in a city  |
| 19. rec_____re the operating system   | <i>v.</i> | to change the configuration or arrangement of something, often to improve its performance or functionality             |
| 20. begin to r_t                      | <i>v.</i> | to decay, or cause something to decay, naturally and gradually   |

ANSWERS: 13. decode, 14. tetrahedron, 15. longevity, 16. blueprint, 17. decode, 18. skyscraper, 19. reconfigure, 20. rot

## Session 3: Fill in the Blanks

1. He is proud of the \_\_\_\_\_ of the business.  
*n.* the property of being long-lived; significant duration of service
2. A business plan is a \_\_\_\_\_ for your success.  
*n.* a photographic print of an early plan for a building or machine
3. In chemistry and physics, the \_\_\_\_\_ shape describes the geometry of certain molecules and crystals.  
*n.* a solid geometric figure with four triangular faces, typically used in 3d geometry
4. The 50-floor \_\_\_\_\_ loomed over the city, dwarfing the other buildings.  
*n.* a very tall building, typically one in a city
5. Please refrigerate the meat, or it will \_\_\_\_\_.  
*v.* to decay, or cause something to decay, naturally and gradually
6. The processor performs calculations on the \_\_\_\_\_ timescale.  
*n.* one thousand millionth or billionth (= 0.000,000,001) of a second
7. We need to \_\_\_\_\_ the office layout to use the space better.  
*v.* to change the configuration or arrangement of something, often to improve its performance or functionality
8. The software could \_\_\_\_\_ the encrypted data and reveal the hidden information.  
*v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 1. longevity, 2. blueprint, 3. tetrahedron, 4. skyscraper, 5. rot, 6. nanosecond, 7. reconfigure, 8. decode

9. The company \_\_\_\_\_ a tracking code in the product's packaging to monitor its shipment.
- v. to fix or set firmly in a surrounding mass
10. The experiment was \_\_\_\_\_ several times to ensure accuracy.
- v. to make an exact copy of something; to repeat a process or experiment to confirm the results

ANSWERS: 9. embedded, 10. replicated