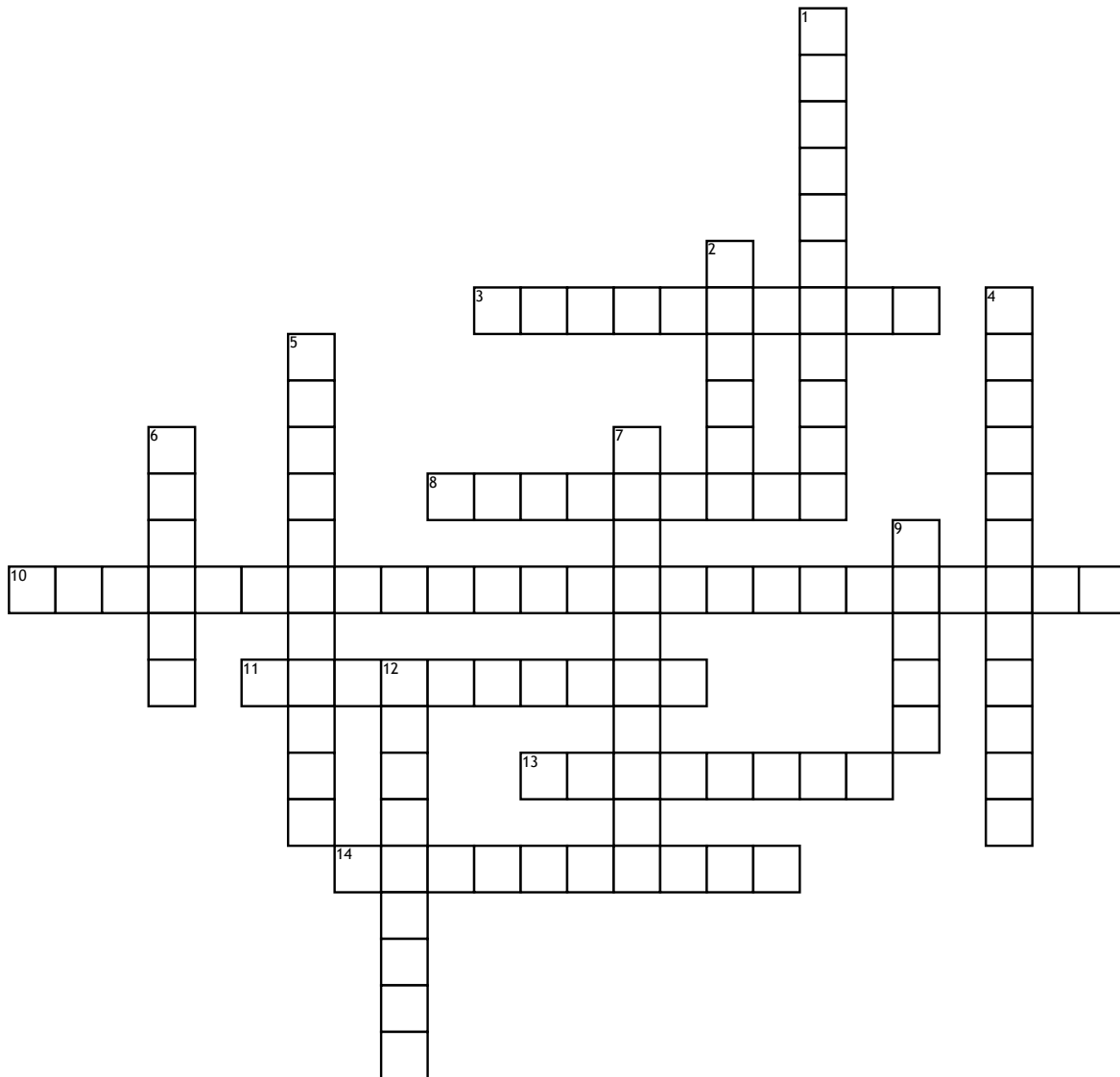


# STEM



**Across**

- 3. anything humans develop in order to make tasks simpler and improve life
- 8. a working model used to test a design concept by making observations and necessary adjustments
- 10. a process used by engineers to help develop products
- 11. a process in which each person in the group presents their ideas in an open forum

- 13. a set of measurable standards or specifications the design must meet
- 14. a process of modifying an existing product or system in order to improve it

**Down**

- 1. to work together to create something
- 2. to make changes in a design to alter the performance of the engineered product
- 4. a method used to identify why something does not work so that it can be fixed

- 5. an expertise involving the application of science and math to solve practical problems
- 6. to decide upon the look and function of an object by making a drawing of it
- 7. a limitation or restriction the design must consider
- 9. a representation of a proposed device, on a smaller scale than the original
- 12. a process of turning ideas and imagination into a device or system