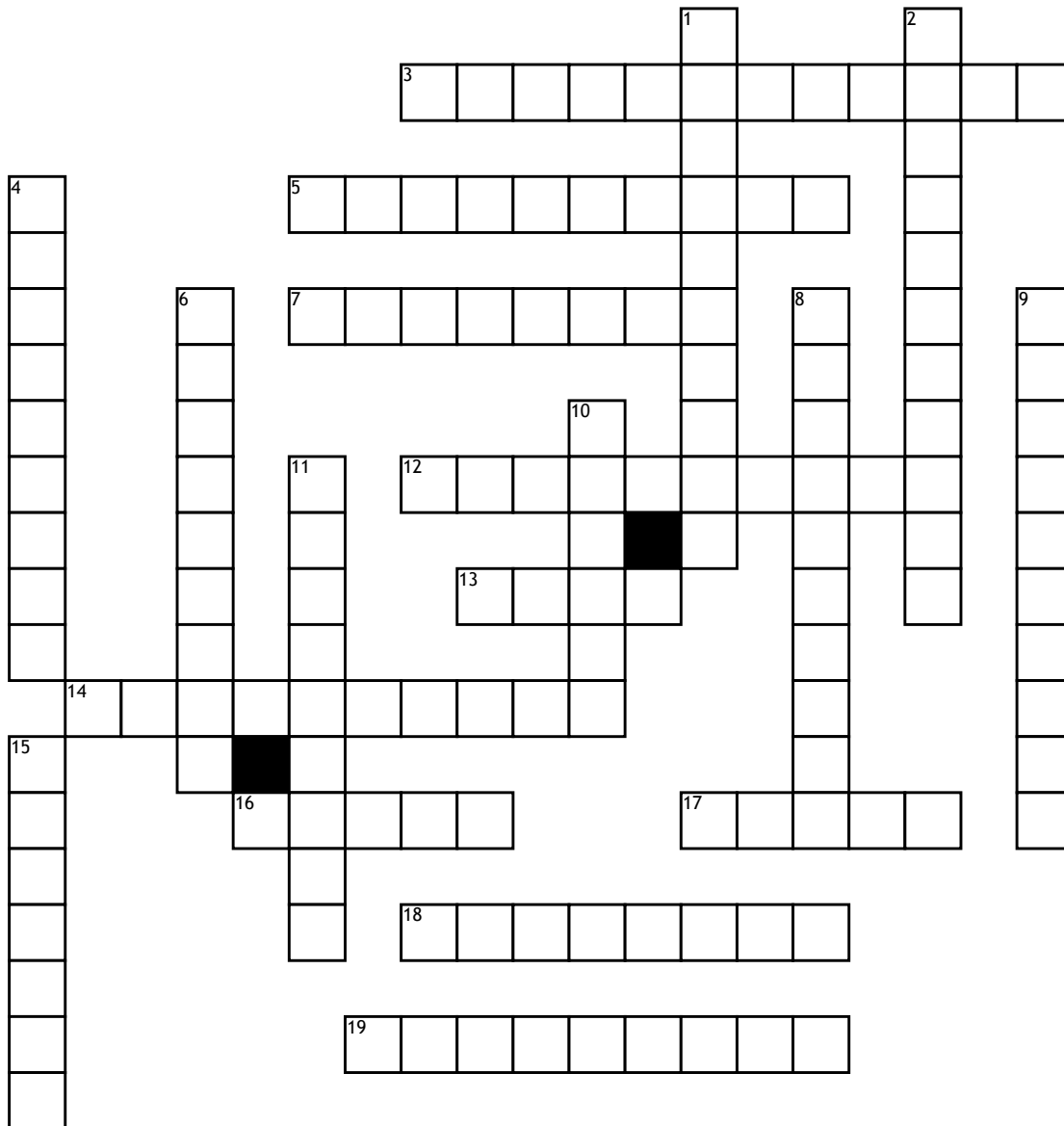


# Coach Bennett's 6th Period Engineering



## Across

3. a problem-solving method used to identify the cause of a malfunction in a technological system. AKA: A way of finding out why something does not work so that it can be fixed.
5. One of the oldest and broadest types of engineering.
7. This engineering concerns the design and prototyping of computing hardware and software.
12. a process of modifying an existing product or system to improve it.
13. Passion and Perseverance Toward Long Term Goals
14. the application of science for real-world purposes.
16. Type of Engineer that build bridges
17. used to communicate and test design ideas and processes.

18. This type of engineering concerns the use of chemical and biological processes to produce useful materials or substances

19. This engineering involves anything from the analytical optimization of oil production (that is, figuring out methods to get the most oil out of the ground), to jobs which involve physically drilling into the Earth's surface to recover the oil, to the maintenance of oil-rich areas—preventing natural disasters or keeping a tech-savvy eye on oil-pumping machinery.

## Down

1. This engineering both focus on applications of electrical power.
2. limitations or challenges.

4. a working model used to test a design concept by making actual observations and necessary adjustments.

6. This branch of engineering deals with the research, design, development, construction, testing, science and technology of aircraft.

8. Skilfully arrange for (something) to occur; design and build (a machine or structure).

9. A group problem-solving design process in which each person in the group presents his or her ideas in an open forum

10. a change in design, often minor, to alter the performance of the engineered product.

11. a process of turning ideas and imagination into devices and systems.

15. Make something be applicable or relevant.