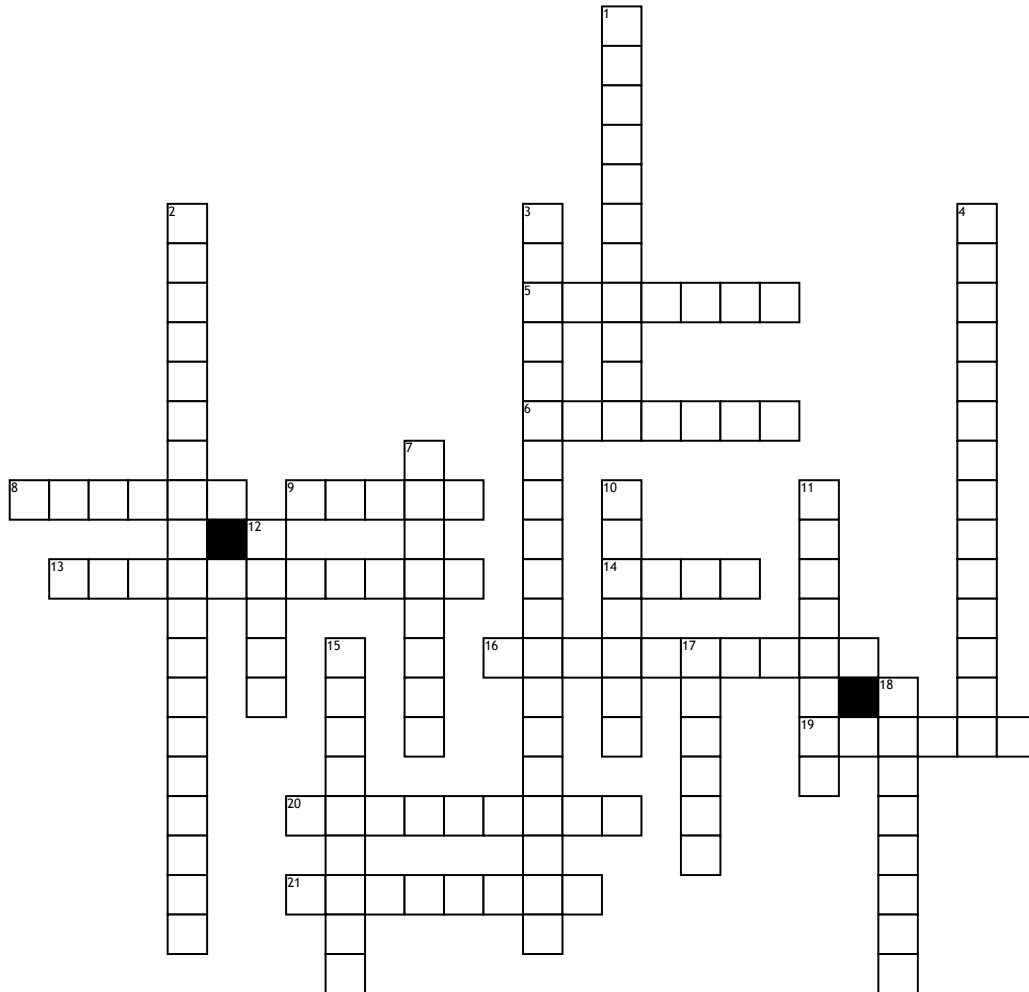


Technology Engineering & Design



Across

- 5. the results, good and bad, of the operation of any system
- 6. the feedback loop that causes management and production activities to change through evaluation, feedback, and corrective action.
- 8. a group of parts working together in a predictable way, designed to achieve a goal
- 9. artifacts humans use to expand their capabilities
- 13. the function of comparing system outputs to the goals
- 14. the measurement of how long an event lasts. It is a key resource in developing and operating technological systems
- 16. a function that involves dividing tasks into major segments and structuring a work force so goals can be met and resources can be assigned to complete each task

- 19. the ability to do work
- 20. the steps needed to complete a series of identifiable able tasks within a system
- 21. artifacts that amplify the speed, amount, or direction of a force. They transmit or change the application of power, force, or motion.

Down

- 1. facts and figures, called data, that have been sorted and arranged for human use. It is vital to taking an active part in society.
- 2. the actions people use to ensure that production processes operate efficiently and appropriately.
- 3. the actions completed to perform the function of the technological system
- 4. the procedure used to develop technology that will attempt to satisfy people's technological needs and wants

- 7. the process of setting goals and developing courses of action for a company or parts of the company to reach the goals
- 10. initiating the work related to an action plan
- 11. the money and credit necessary for the economic system to operate
- 12. the reasons or purposes for a system.
- 15. natural, synthetic, or composite substances from which artifacts are made
- 17. materials that flow into the system and are consumed or processed by the system
- 18. the process of using information about the output of a system to regulate the inputs to the system.

Word Bank

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|----------------------|----------------------|-----------|----------|
| Organizing | Inputs | Feedback | Planning |
| Time | System | Control | Tools |
| Management processes | Actuate | Processes | Outputs |
| Materials | Production processes | Finances | Goals |
| Controlling | Information | Energy | Machines |
| Problem-solving | | | |