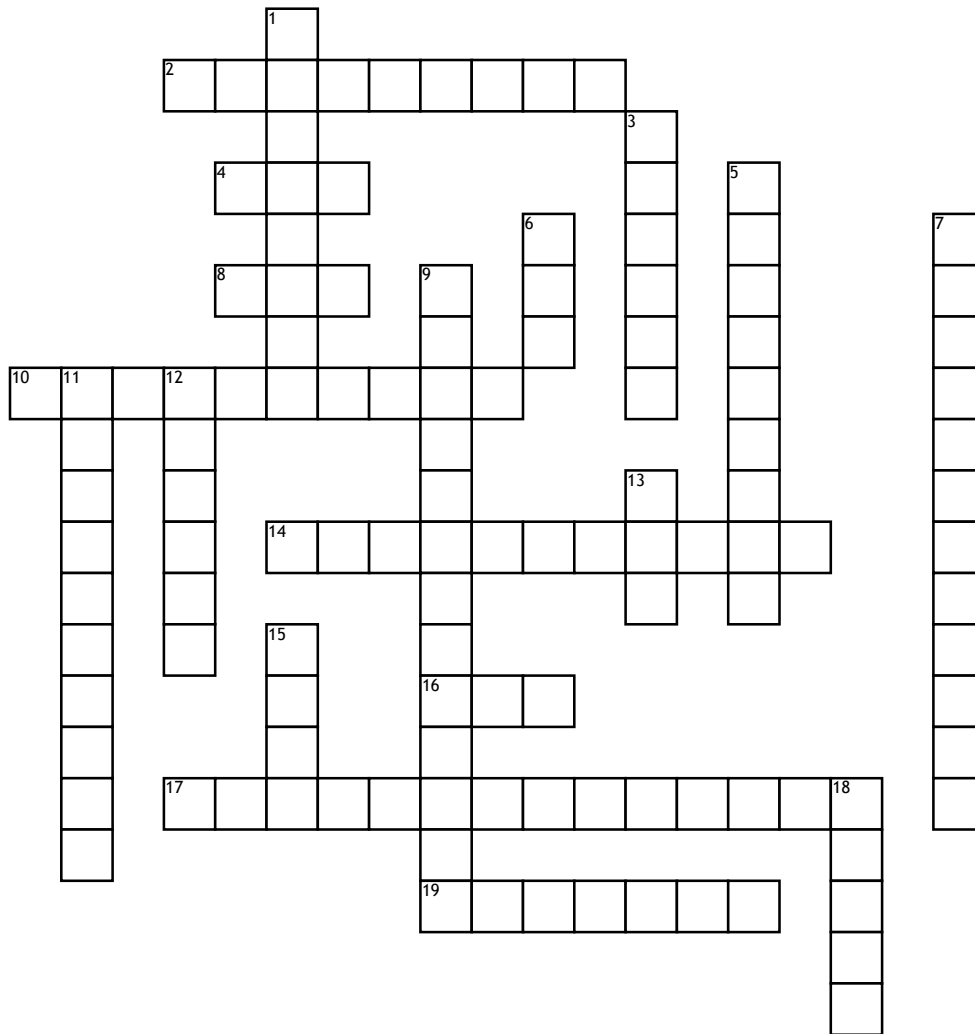


Manufacturing tech vocab crossword



Across

2. Plastics with a chemical structure that prevent it from remelting back into a liquid. Ex. Polyurethanes (insulating foams, mattresses, car parts, shoe soles)

4. Computer Aided Design Software used to create technical drawings

8. A tool that moves with a workpiece through a machine in order to provide repeatability and accuracy in the manufacturing of products

10. When you combine materials together to form a new structure with properties that differ from its individual components. Usually consists of a matrix and a reinforcement. Ex. Carbon fiber composite

14. An organized association of workers formed to protect and further their rights and interests

16. Automated Guided Vehicles Mobile robot that follows markers or wires in the floor, or uses vision, magnets, or lasers for navigation

17. A system for verifying and maintaining a desired level of quality in a product

19. Land, equipment, and money used to start or maintain a business

Down

1. Objects made from clay (or other natural raw materials) hardened by heat. Classified as inorganic and nonmetallic. Ex. tile, brick, glass

3. Amount of a commodity, product, or service available

5. To shape a material by forcing it through a die Ex. Bubble gum, licorice, plastic straws, wire

6. Computer Aided Manufacturing The use of software to control machine tools in the manufacturing process

7. A line that doesn't stop at one point

9. Plastics that can be remelted back into a liquid without changing its physical properties. Ex. Polyethylene Terephthalate (PET) (Plastic bottles)

11. An unrestricted market with free access and competition of buyers and sellers. No tariffs, taxes, or other regulations.

12. A financial gain, or the difference between the amount earned and the amount spent in producing something

13. A tool that moves with a workpiece through a machine in order to provide repeatability and accuracy in the manufacturing of products

15. Occupational Safety and Health Administration. US government agency that ensures safe and healthful working conditions for all people.

18. Services performed by workers for wages

Word Bank

CAM

Labor

CAD

Capital

Supply

Ceramics

Composites

Thermoset

Quality Control

Extruding

Jig

Open Market

Profit

Jig

Assembly line

OSHA

Labor Unions

Thermoplastic

AGV