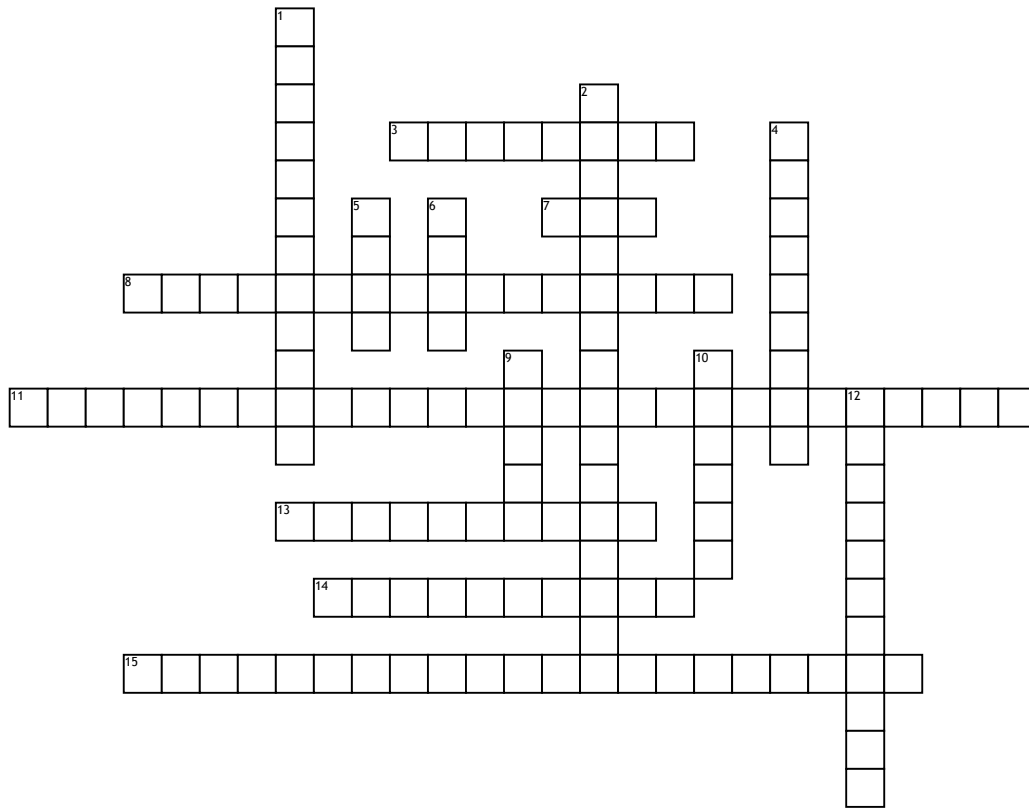


Engineering Crossword



Across

3. is a non-rotary cutting tool used in metal lathes, shapers, and planers
 7. 1000 pounds
 8. steels suitable for load-carrying members in a structure
 11. Grade
 13. refers to the part of a member that extends freely over a beam, which is not supported at its end
 14. supports a building or structure
 15. is the discipline that applies engineering, physics, engineering mathematics, and materials science principles to design, analyze, manufacture, and maintain mechanical systems

Word Bank

Cantilever
 Lathe Machine
 Structural Steels
 Gable
 the ground elevation of the soil

Down

1. is used for cutting, drilling, knurling and other related machine operations
 2. is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, structural components of buildings, and railways
 4. are cutting tools used to remove material to create holes, almost always of circular cross-section
 5. a vertical wall member used to attach other structures, such as walls

Drill bits
 Kip
 Tool Bits
 Foundation
 Electronics

6. a structural member, usually horizontal, with a main function to carry loads cross-ways to its longitudinal axis
 9. a gable is located above the elevation of the eave line of a double-sloped roof
 10. is a main vertical member that carries axial loads from the main roof beams or girders to the foundation parallel to its longitudinal axis
 12. comprises the physics, engineering, technology and applications that deal with the emission, flow and control of electrons in vacuum and matter

Civil Engineering
 Column
 Mechanical Engineering
 Beam
 Stud