Robotics Crossword Puzzle

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|  |  | 2  L |  |  |  |  |  |  | 3  A |  |  |  |  |  |  | O |  |  |  |
|  |  | A |  |  |  |  |  |  | L |  |  |  |  |  |  | U |  |  |  |
|  |  | R |  |  | 4  C |  |  |  | G |  |  |  | 5  U |  |  | C |  |  |  |
|  |  | G |  |  | O |  |  |  | O |  |  |  | L |  |  | H |  |  |  |
|  |  | E |  |  | L |  |  |  | 6  R | O | B | O | T | I | C | S |  |  |  |
|  |  | M |  |  | O |  |  |  | I |  |  |  | R |  |  | E |  |  |  |
|  | 7  S | O | N | A | R |  | 8  B |  | T |  |  |  | A |  |  | N |  |  |  |
|  |  | T |  |  | S |  | R |  | H |  | 9  C |  | S |  |  | S |  |  |  |
|  |  | O |  | 10  M | E | D | I | U | M | M | O | T | O | R |  | O |  |  |  |
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|  |  |  |  |  | S |  | K |  |  |  | E |  | I |  |  |  |  |  |  |
|  |  |  |  |  | O |  |  |  |  |  |  |  | C |  |  |  |  |  |  |
|  |  |  | 11  P | O | R | T | S |  |  |  |  |  | 12  S | W | I | T | C | H |  |
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|  |  |  | 14  M | I | N | D | S | T | O | R | M |  | S |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | O |  |  |  | O |  |  |  |  |  |  |
|  | 15  C | O | M | P | U | T | E | R | P | R | O | G | R | A | M | M | E | R |  |

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| **Across**  **6.** the study of robots  **7.** the UltraSonic Sensor uses this type of technology when it sends a signal out to the object and it bounces back to the robot  **10.** this motor is typically used as a secondary motor  **11.** The specific areas for connecting sensors and motors to the EV3.  **12.** In Mindstorm, the name of the block used if you want the robot to do something when one condition is met and then another thing when a different condition is met  **14.** Robotics kits from Lego containing hardware and software to create EV3 robots  **15.** a person who writes computer code | **Down**  **1.** this sensor can tell if the robot hits into something  **2.** this motor is typically used to make the robot's wheels move  **3.** A list of instructions to do something  **4.** This sensor can detect something blue, red, green, white, black, etc.  **5.** this sensor detects distance from an object  **8.** the "brains" of the mindstorm robot  **9.** A term for any command or group of commands in a program.  **13.** In Mindstorm, the name of the block used to do something over and over |

   mindstorm       algorithm       color sensor       ultrasonic sensor       touchsensor       robotics       brick       large motor       medium motor       computer programmer       Loop       switch       sonar       code       ports