Self- balancing robot: List of equipment and materials

Materials:

- Arduino board: Uno or Mega are recommended but no mandatory. Avoid using boards that work at 3.3v.
- H-bridge: L298 module is recommended.
- 2x Gearbox DC motors: Cheap DC motors from 100 to 230 rpm, 6v motors is recommended over 12 ones.
- Plastic wheels for the DC motors
- AA battery holder with 4 slots (or 8 in case of using a 12v motor)
- 9v Battery with clip
- Accelerometer: MPU6050 is recommend
- Protoboard: For testing the connections
- Jumper type wires

Equipment:

- Arduino IDE
- Power source only for testing
- Tweezers and wire
- Multimeter

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