



# Temperature-Controlled Fan

An ME 208 Project

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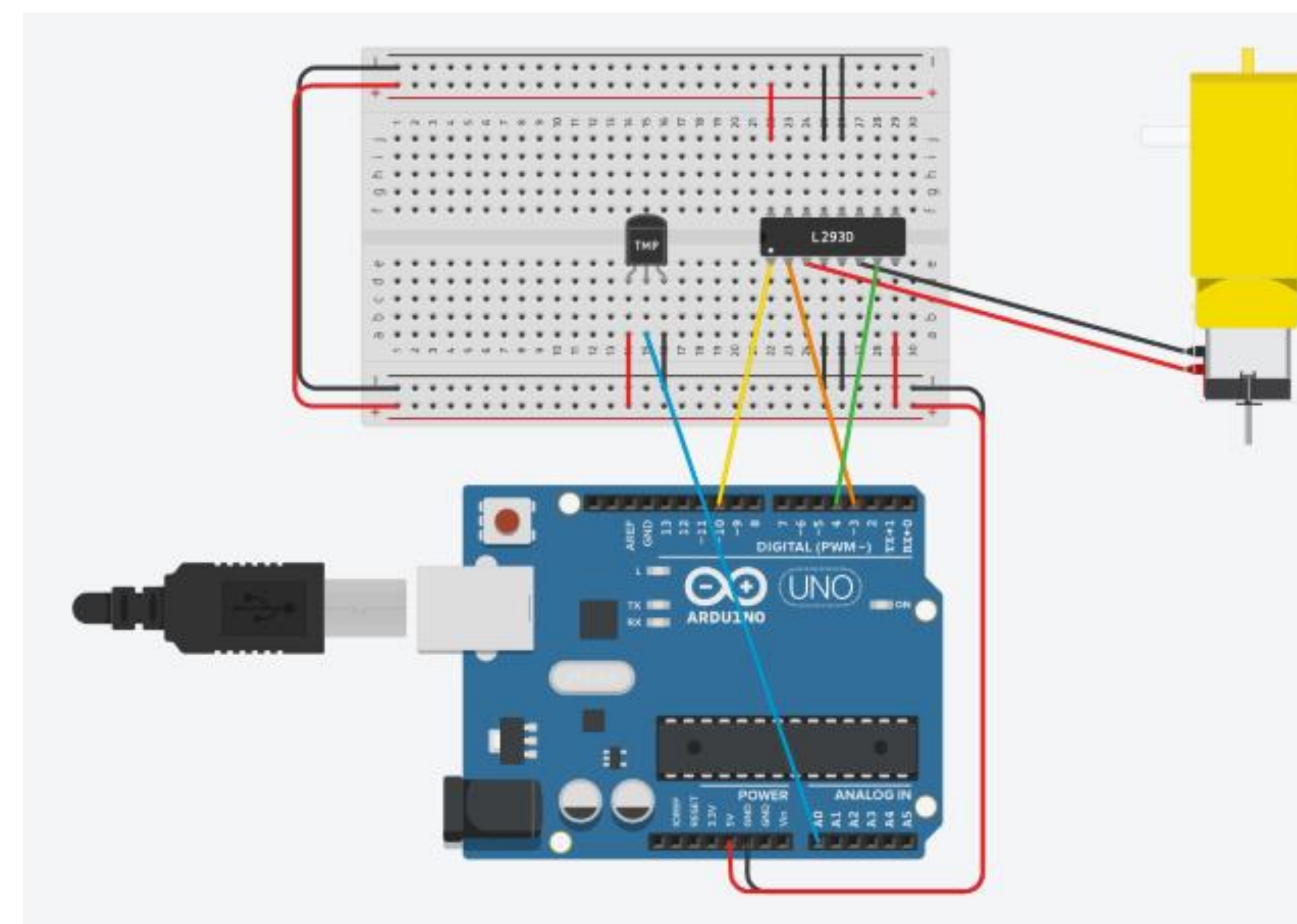
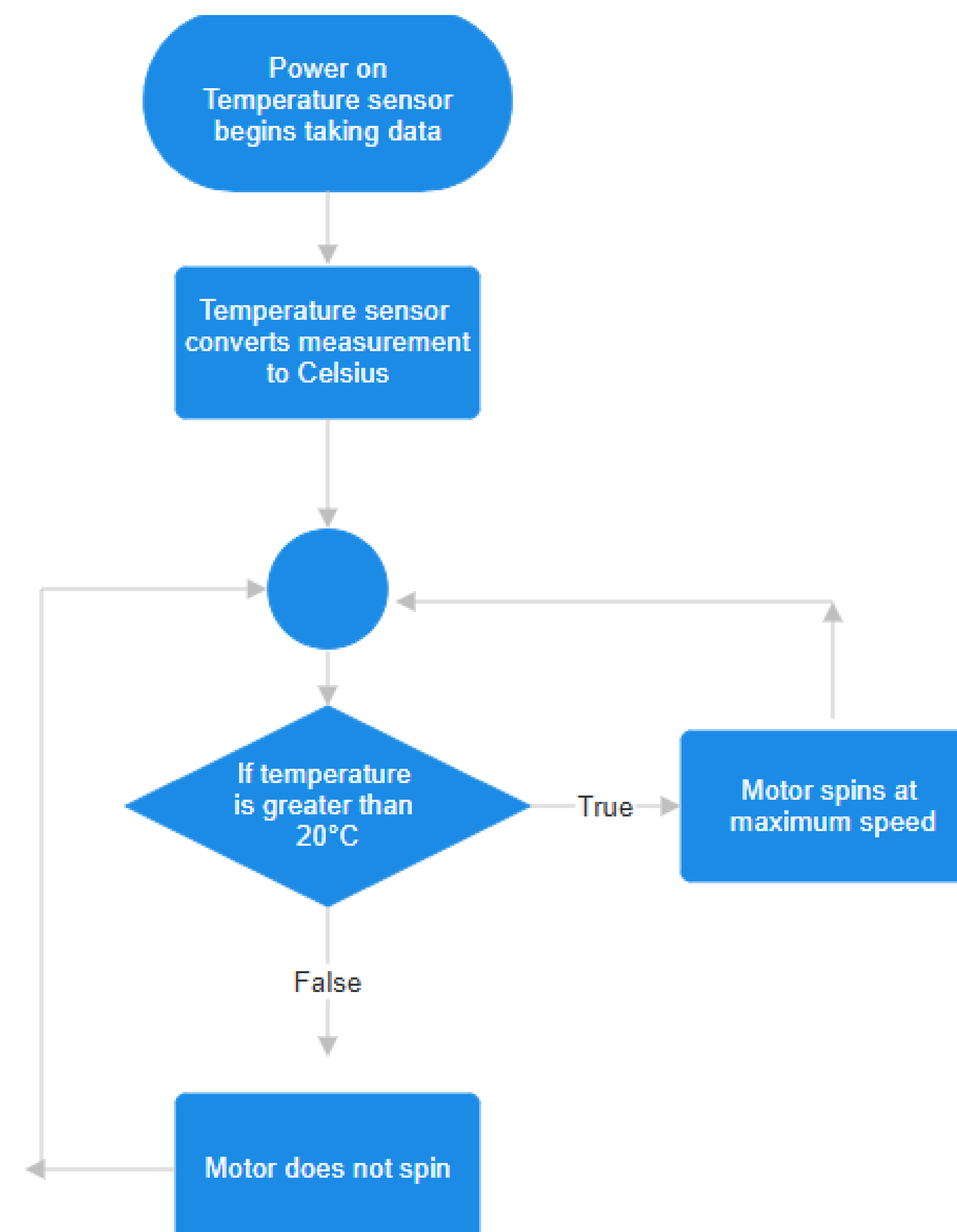
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## Background Design Objectives

- Goal: A fan that operates automatically when the temperature reaches a certain threshold
- Meets requirements for 4H robotics
- Can be used everyday in day-to-day life
- Project should be able to be put together without prior experience

## Code Flow Chart and Circuit Diagram



## Parts

- Breadboard
- Arduino
- Temperature Sensor
- DC Gearmotor
- H-bridge Motor Driver
- Wires
- Cardboard

## Testing

- Fan successfully rotated when the temperature reached its threshold
- Fan would fall over, needed to correct weight distribution.

## Physical Construction

Future Directions:

- When printing Fan for motor make them more structurally sound so the plastic does not break as easy.

