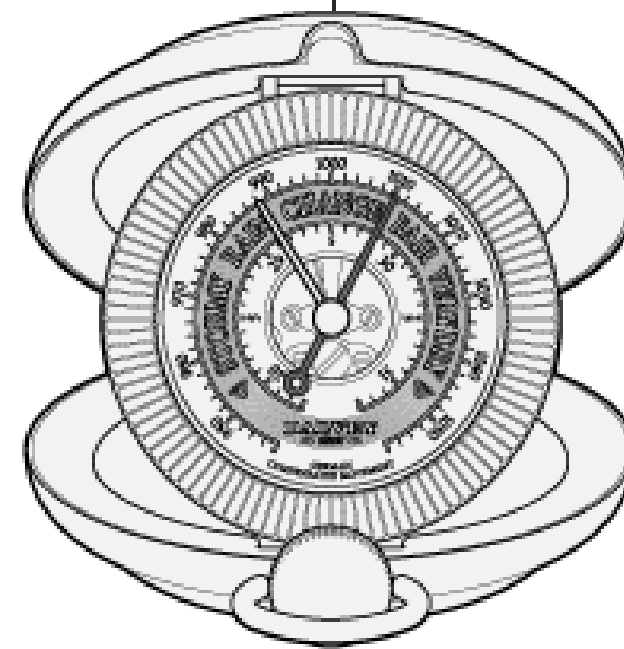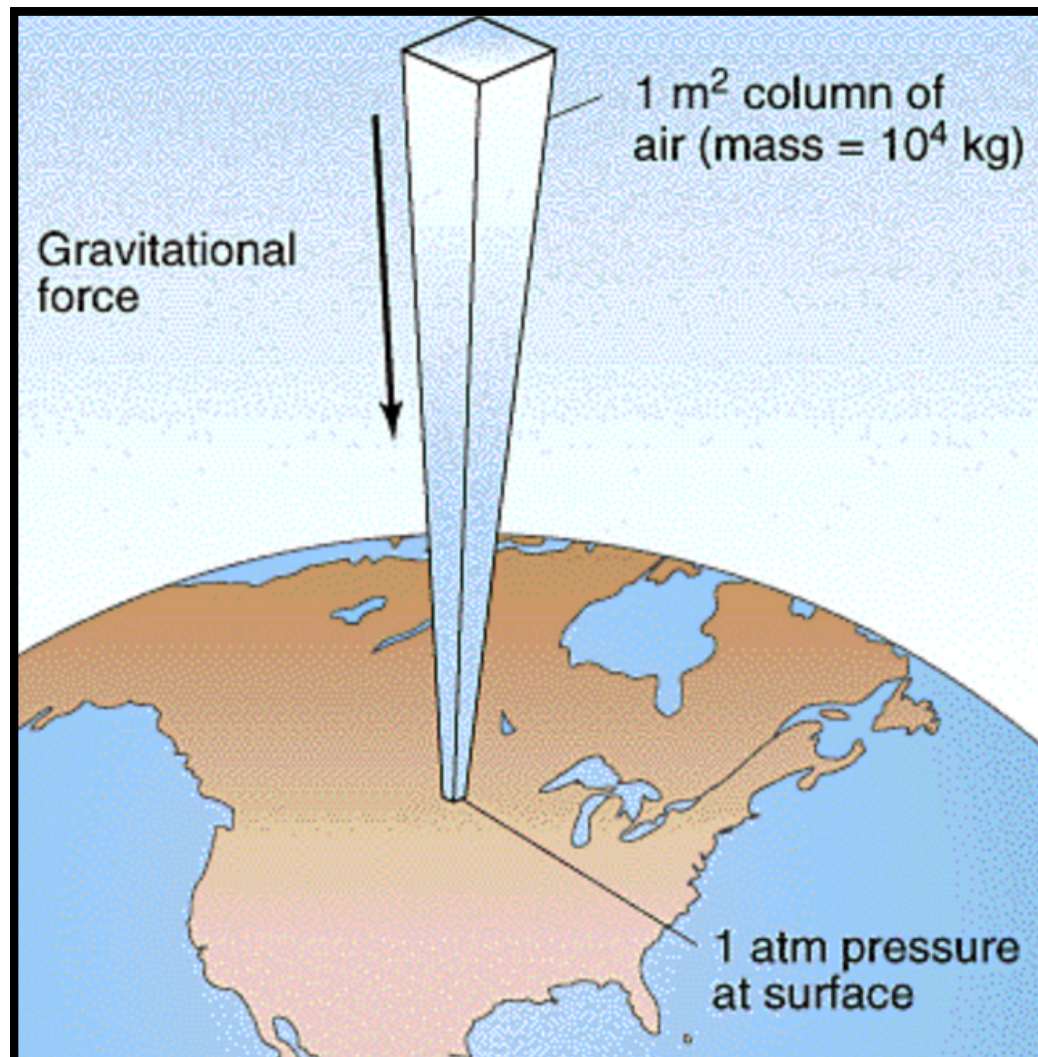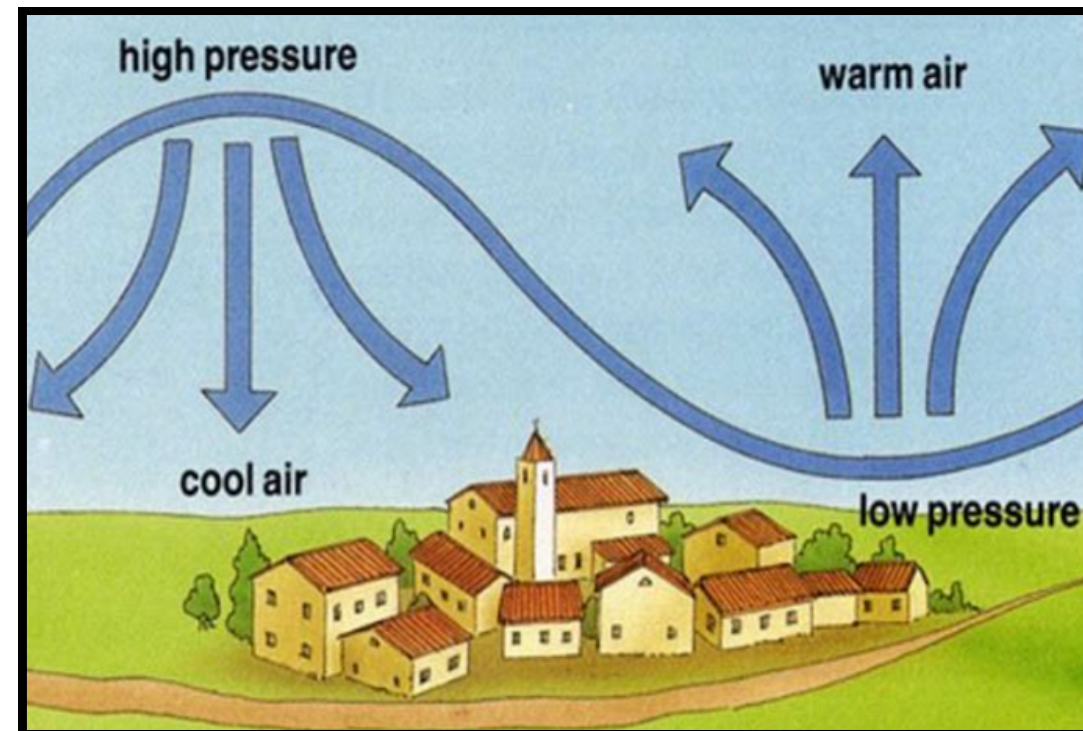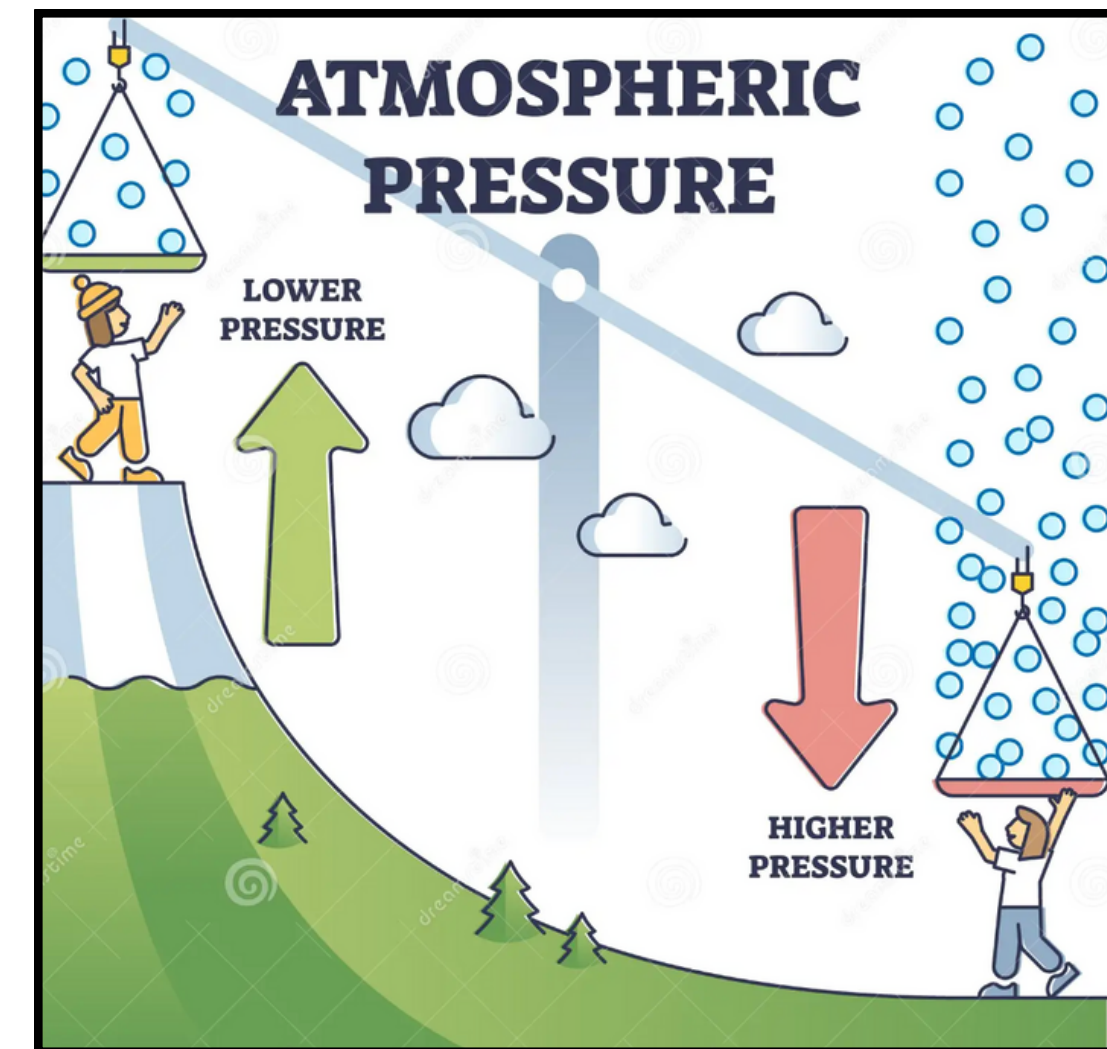# Barometer
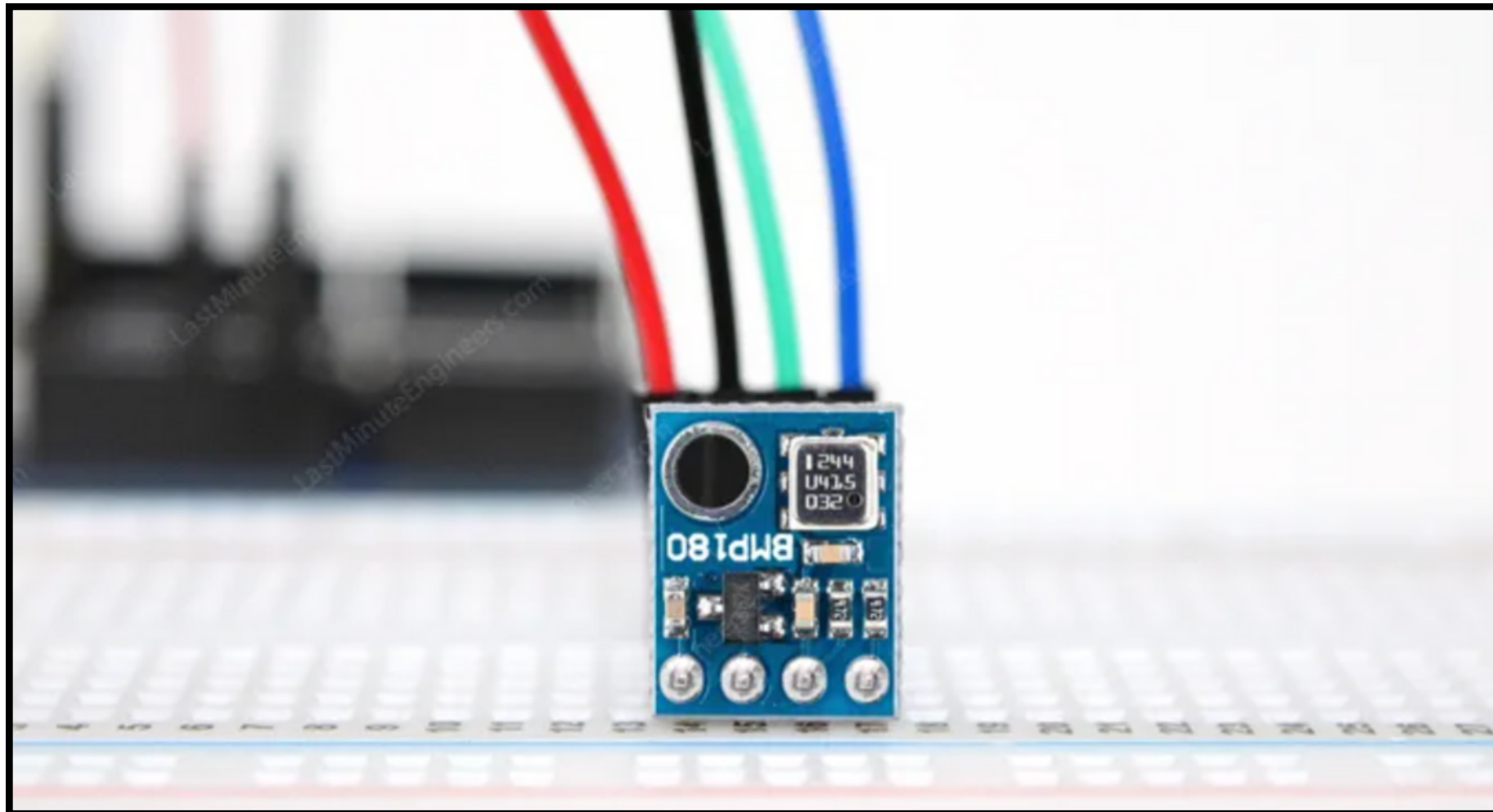
Dana Clark

Atmospheric Pressure

Forecasting

Altitude

BMP180

PIEZORESISTIVE SENSOR

Changes resistance when atmospheric pressure is applied.

PRESSURE AND TEMPERATURE

High temperature exert less pressure on the sensor. Low temperature exert more pressure on the sensor.
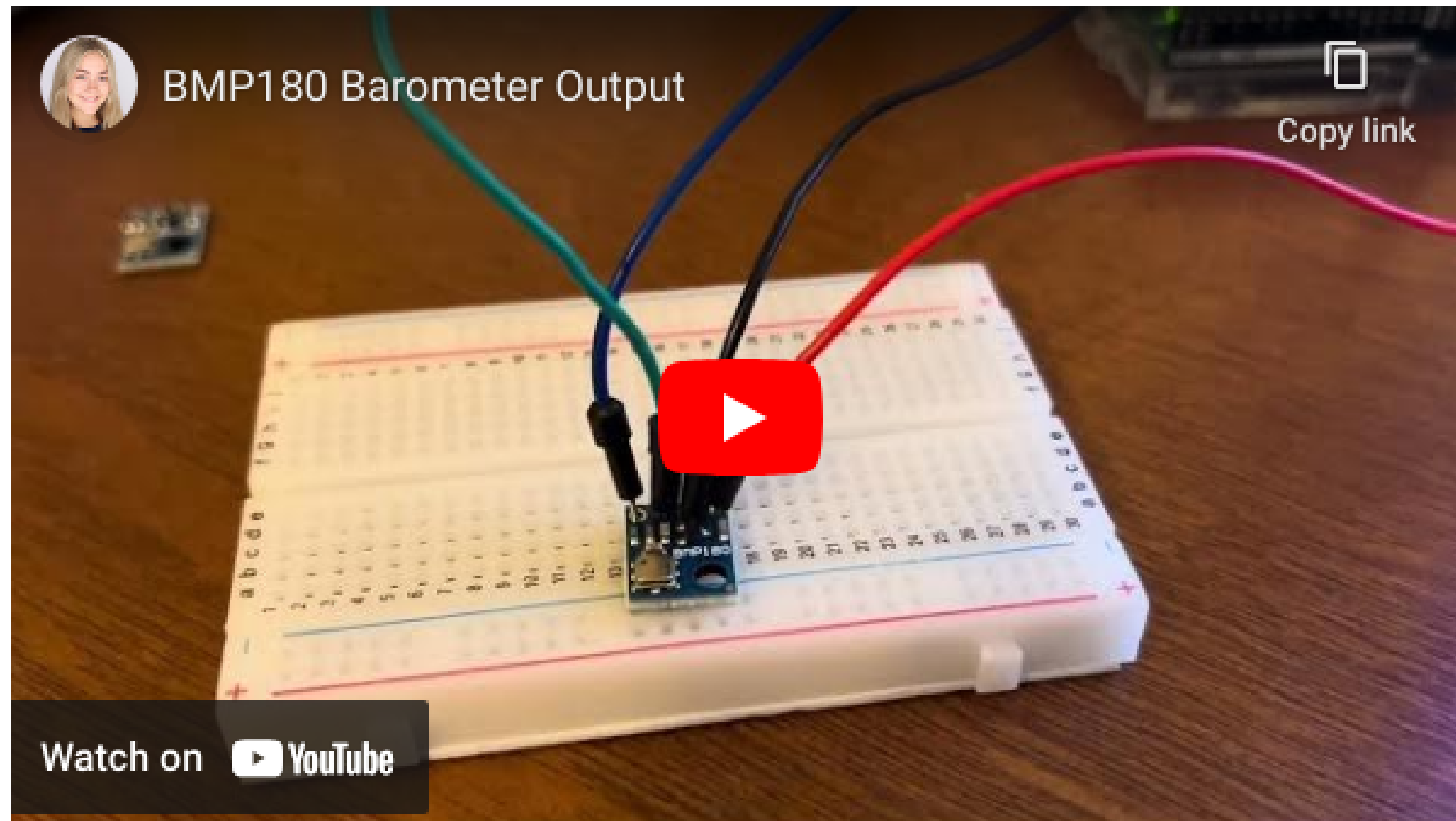
BAROMETRIC PRESSURE RANGE

300 to 1100 hPa (9000m to -500m above sea level)

TEMPERATURE RANGE

-40°C to 85°C

BMP180 OUTPUT
-

GPS-ENHANCEMENT

Dead-reckoning

Slope detection

VERTICAL VELOCITY INDICATION

Rate of descent or climb

WEATHER FORECAST

Weather stations

Remote controlled vehicles

Weather balloons

SPORT DEVICES

Altitude Profile

Applications