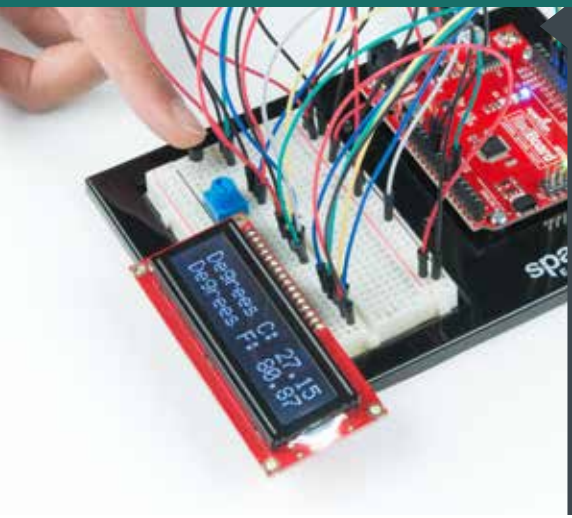
Open the Arduino IDE

Connect the RedBoard to a USB port on your computer.

Open the Sketch:
File > Examples > SIK-Guide-Code-master > **SIK_CIRCUIT_4B-TEMPERATURE SENSOR**

Select **UPLOAD** to program the sketch on the RedBoard.



WHAT YOU SHOULD SEE

The LCD will show the temperature in Celsius and Fahrenheit. The temperature readings will update every second. An easy way to see the temperature change is to press your finger to the sensor.

PROGRAM OVERVIEW

1	Get the analog value from the TMP36 and convert it back to a voltage between 0 and 5V.
2	Calculate the degrees Celsius from this voltage.
3	Calculate the degrees Fahrenheit from this voltage.
4	Clear the LCD.
5	Print the degrees C with a label on the first row.
6	Print the degrees F with a label on the second row.
7	Wait for a second before taking the next reading.