

### Problem statement

Develop a persistence-of-vision color wheel utilizing 8 RGB diodes and an Arduino UNO R3 board.

### Documentation:

1. Finish the schematic if not already done.

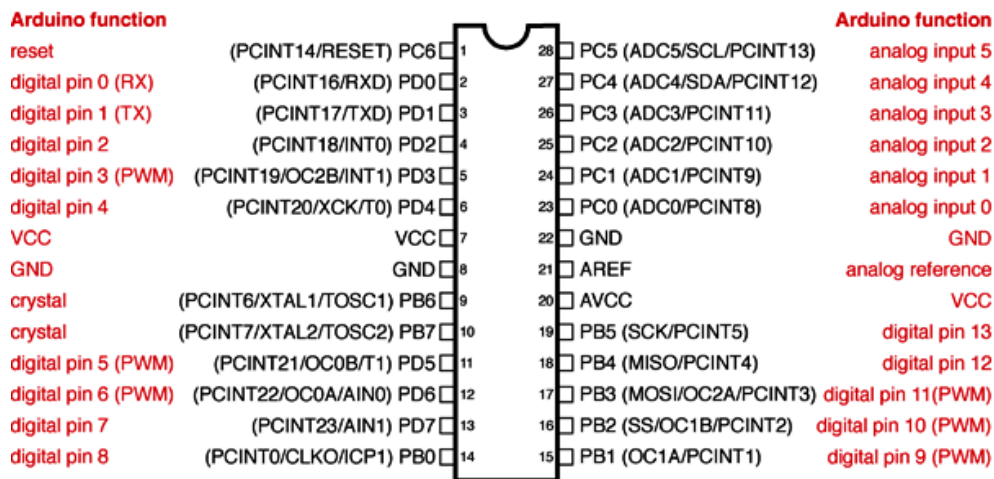
### Documentation: Pin Map

2. Make a table (using Excel) showing which LED pins are connected to which Digital I/O's. Also indicate which Analog I/O pin the Hall-effect sensor is connected to.
3. Save the file and upload it to your group's file space on Canvas. Give a printed copy of this to your programmer.

Example:

Arduino Pin	Connected Pin	Description
Digital 0	Row1	Row 1 common pin = 0 for ON
Digital 1	Row2	
Digital 9	Red1	Common pin for 4 Red LEDS
Digital 10	Red2	Common pin for 4 Red LEDS
Analog 0	Sensor	Hall-effect sensor Output

### Atmega168 Pin Mapping



Digital Pins 11, 12 & 13 are used by the ICSP header for MOSI, MISO, SCK connections (Atmega168 pins 17, 18 & 19). Avoid low-impedance loads on these pins when using the ICSP header.