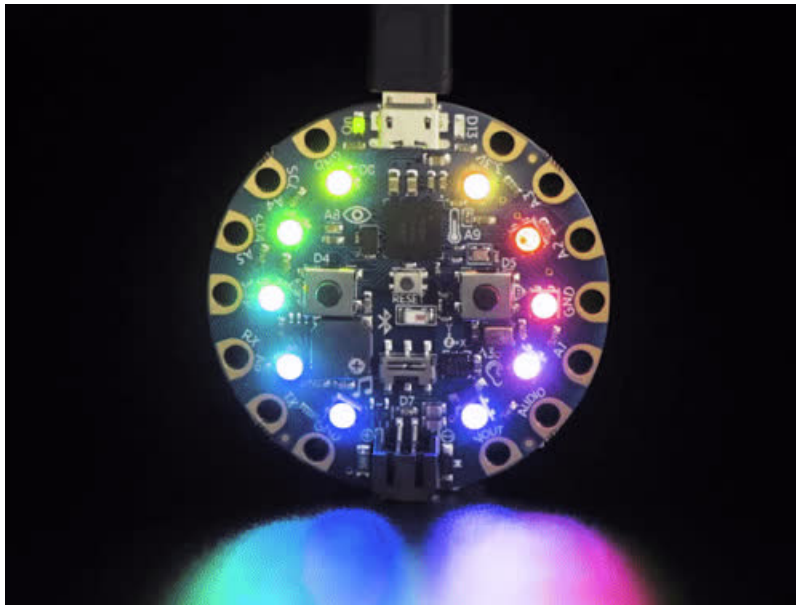




## PyLeap device enabled - In Rainbows

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# Glide on over to some Rainbows

PyLeap will list the device enabled guides, including this one. Our first stop is using Glider (wireless file transfer) inside of PyLeap to work with BundIFly on the Adafruit Learning System to bundle up and send the files on over! The files include code.py and the libraries. For this proof-of-concept we're going to toss a rainbow on over to a Circuit Playground Bluefruit Express.

```
import time
import board
import neopixel

pixels = neopixel.NeoPixel(board.NEOPIXEL, 10, brightness=0.2, auto_write=False)
rainbow_cycle_demo = 1

def colorwheel(pos):
    if pos < 0 or pos > 255:
        return (0, 0, 0)
    if pos < 85:
        return (255 - pos * 3, pos * 3, 0)
    if pos < 170:
        pos -= 85
        return (0, 255 - pos * 3, pos * 3)
    pos -= 170
    return (pos * 3, 0, 255 - pos * 3)

def rainbow_cycle(wait):
    for j in range(255):
        for i in range(10):
            rc_index = (i * 256 // 10) + j * 5
            pixels[i] = colorwheel(rc_index & 255)
            pixels.show()
            time.sleep(wait)

while True:
    if rainbow_cycle_demo:
        rainbow_cycle(0.05)
```

# Blink

This is Blink demo code for PyLeap.

```
import time
import board
import neopixel

pixels = neopixel.NeoPixel(board.NEOPIXEL, 10, brightness=0.2, auto_write=False)
PURPLE = (10, 0, 25)
PINK = (25, 0, 10)
OFF = (0,0,0)

while True:
    pixels.fill(PURPLE)
    pixels.show()
    time.sleep(0.5)
    pixels.fill(OFF)
    pixels.show()
    time.sleep(0.5)
    pixels.fill(PINK)
    pixels.show()
    time.sleep(0.5)
    pixels.fill(OFF)
    pixels.show()
    time.sleep(0.5)
```

