Tips for the Vivid Light Challenge (July 2016)

- 1) Must use one or more sensors found on the FEZ HAT
 - a. Temperature Sensor, Accelerometer, Light Sensor or user buttons.
 - b. https://www.ghielectronics.com/docs/329/fez-hat-developers-guide
- 2) There are two RGB Leds on the FEZ HAT so you can test your colour idea on those
- 3) The following Nuget libraries are required
 - M2Mqtt MQTT Client Library for .Net: https://www.nuget.org/packages/M2Mqtt
 - Json.net: https://www.nuget.org/packages/Newtonsoft.Json/8.0.3
- 4) MQTT Pub/Sub Details
 - a. Broker IP Address: Will be made available on the day
 - b. Publish on topic iot/light/
- 5) The Light Class (found in the Challenge Directory)
 - Light IDs available: 1-4.
 - You can use as many lights as you like but they are a shared resource so you'll have to negotiate with others in the workshop.
 - You need to provide Red, Green, Blue colours between 0 (off) and 255 (full brightness) to mix your colours.
- 6) Lights are refreshed every 100 milliseconds (10Hz)

Winning criteria

- To be judged on subjective/artistic appeal by the rest of the workshop attendees
- In case of hang vote, the DaveG will have casting vote