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) 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
3) MQTT Broker IP Address: Will be made available on the day
4) The Colour 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.
5) Throttle MQTT messages: don't send more than every 10 milliseconds.
6) Lights are refreshed every 20 milliseconds (50 Hz)

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