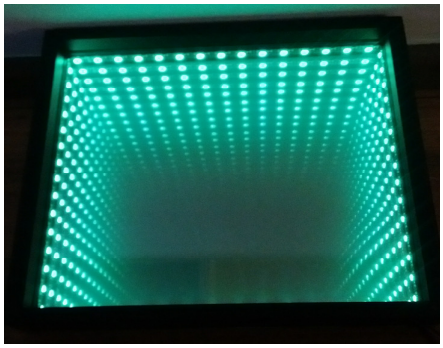
Build your own Infrared Remote Controlled STEAM Model

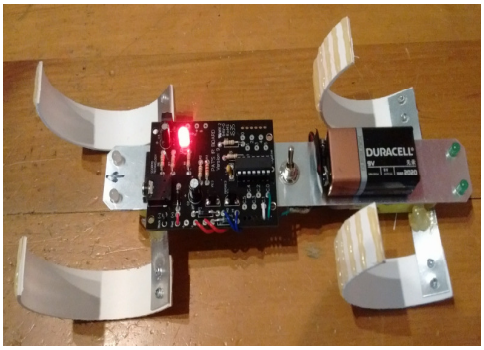
Infinity Mirror, ReCycloBot or 5x5x5 LED Cube.

—DATTA Vic Workshop , 17th March 2018, at Diamond Valley College.

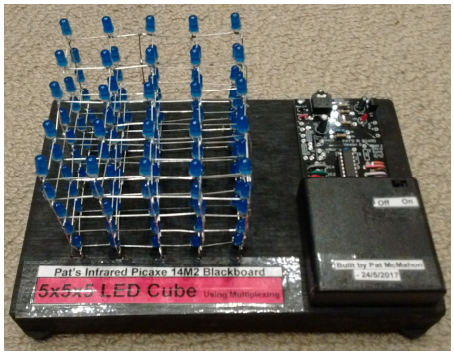
Infinity Mirror



ReCycloBot



5x5x5 Cube



You choose 1 on the day, to construct from 3 of Pat's latest Projects

an Infrared Remote Controlled Infinity Mirror (RGB LED Strip), ReCycloBot (Twin Motors) or 5x5x5 LED Cube (125 LED's).

When- Saturday 17th , March, 2018, Diamond Valley College, 9 am to 3 pm.

Where- Diamond Valley College, 165 -179 Main Hurstbridge Road, Diamond Creek, 3089.

Ample off street parking, there will be signs up indicating Workshop directions to Room F6,

~8 minutes drive from the end of the Greensborough Ring Road, ~2 minutes drive past the shops in Diamond Creek,

~10 minutes walk from the Diamond Creek Train Station.

Diamond Valley College, 165 -179 Main Hurstbridge Rd, Diamond Creek, 3089. - Melways reference 12 –D5, enter via Gate 3.

Morning Tea & Lunch provided. **Presenter - Pat McMahon**

Design Brief- Participants will select, construct, test, program and take away their own Universal Remote Infrared Controlled, exciting STEAM Model of their own choice, an Infinity Mirror, ReCycloBot or 5x5x5 LED Cube.

The day will be broken up into simple stages to cater for participants of different entry levels, with testing jigs available to check the operation & to diagnose any faults.

We will use a 14M2 Picaxe microcontroller on the day for simplicity and $ cost, but you may decide to later use another microcontroller of your choice ie Arduino , Raspberry pi etc. to run your model back at school.

Pat has lots of Handouts and 25 other applications to view on display, including his latest developments. His Infrared Controlled "Dancing Circles" & "Swinging Musical Jingle Bell", his Infrared Controlled Hexapod Robot and Animated Disc etc. Please feel free, prior to the Workshop to give Pat a ring on 0413- 305 092, if you have any questions or concerns about the workshop.