

## **Posters-Scientific Wallcharts – Junior and Intermediate Divisions**

### **Section Coordinator: Diana Veremciukas**

The judging Day on Saturday the 4th of August succeeded due to the tireless efforts of 64 volunteer judges made up of primary, secondary and trainee teachers who worked from 8.00am to 1.00pm non-stop.

A big thank you to Methodist Ladies' College for the use of their facilities and to the ground staff who helped set up the rooms on the preceding Friday evening. Also thank you to the staff/parents that provided morning tea in the waiting area on Saturday, and the MLC senior students and Ms Anna Stucley who were on the Registration desk. Also thank you to Ms Judith Sise for her extra help in sorting posters and then loading them into cars.

Another thank you goes to the parents and entrants who stood patiently in long queues waiting to register and to those parents who waited downstairs uncomplaining for over an hour for their children to be judged. A reminder to parents that judging times are 8.30am to 10.30am for primary students and 10.00am to 12.30pm for secondary students.

The number of Junior entries received was one hundred and thirty-five, down on last year's total. Of the entries submitted 32 won Major bursaries, 21 won Minor bursaries, 42 entries received a Distinction certificate and 33 received a Merit certificate.

Fourteen Intermediate entries were received, well down on last year's total. Of the entries submitted 4 won Major bursaries, 2 won Minor bursaries, 4 entries received Distinction certificates and 1 received a Merit certificate.

One Open entry was also received which earned a Major bursary.

The least favourite topic for entrants was 'Game changers in Food production'. Students included projects on: Genetic modified food, Taste buds and miracle berries, orward osmosis, Vertical farming, Hydroponics and permaculture, Automatic calf feeding and milking systems, The Velella project, Marine plankton, Bee friendly bio-insecticides, and Changes made by wild species.

Some interesting student projects involving the other three topics were: Ultra-sound scanners, The Esky, Telephone television, HPV gardasil vaccine, Penicillin, Anaphylaxis management, Soft contact lenses, Lithium-ion giant battery, Winged keel boats, Venetoclax for blood cancer patients, The jet engine, Entomophagy, The boomerang, 3D printing, Long lasting contact lenses, Prothesis manufacture, Anaesthetics, Spray drying, Converting sound into electricity, The bionic ear, Black box flight recorder, Spray-on skin, Polymer banknotes, Intracellular microelectrodes, Pedal powered radio transmitters, Lithium for bipolar disorder, WiFi and smart phones, Cataract surgery, Cardiac pacemakers, Quantum computing, Cancer research, Vegemite, DNA fingerprinting, Polilight unilight, Amyotrophic lateral sclerosis, Compulsory vaccination, Inflatable slides from planes, The jet pack, Permanent crease clothing, Dark energy, Cleaning oceans, Gravitational waves, Colliding neutron stars and Global warming prevention.

Students are reminded that diagrams must be hand or computer drawn. Students should not glue photos, cut-out pictures or samples of matter to their posters. Diagrams should be referred to in written information on the poster, for example, "see figure 1". Some students are still not fully laminating their posters when they have attachments, which leads to damage to the poster on cartage/storage. Students need to remember when accessing the internet to include site dates and times in their bibliography.

Congratulations to all students who entered. Judges thought that most posters were of a high standard, as indicated by the number of bursaries, distinction and merit certificates awarded. We are already keen to see the research displayed in posters for next year's topics.