

2018 WITT TARANAKI SCIENCE & TECHNOLOGY FAIR

Information Sheet for Students

MONDAY 6th – WEDNESDAY 8th August 2018
PUKEKURA FUNCTION CENTRE, NEW PLYMOUTH
You may enter as many sections as you wish.

SECTIONS

Scientific Investigation
Scientific Journalism
Photographic Section
Water Rockets

Technological Development
Observational Drawing
Advertising Poster
Robotics

LEVELS: **1. Years 7 and 8** **2. Years 9 and 10** **3. Years 11, 12 and 13**

SCIENTIFIC JOURNALISM TOPIC: “What changes, both by individuals and society, do you think are necessary to achieve zero waste by 2021 in the Taranaki region?”

Write an article that discusses the topic above. The article should be 500 - 3000 words. Your Name, Year Level and School must be written on the top of the first page of the work. Please number all pages.

SCIENTIFIC PHOTOGRAPHY TOPIC: “Aspects of the Water Cycle.”

Please ensure that photographs submitted have a reasonable resolution and are printed on photographic paper. Low resolution, and those printed on non-photographic paper will not be accepted for judging. You will need to provide evidence of where, when and with what device your photo was taken, as well as how it relates to the topic. Please mount that information and your photo on an A4 card, together with a white sticky label attached to the front on the lower right side with Your Name, Year Level and School. **Photos to be no larger than A5.**

OBSERVATIONAL DRAWING TOPIC: “Flowers.”

These are to be scientific observational drawings, with no shading. Dots and lines are allowed. The drawing must be done in pencil on A4 paper, with the specimen’s name(s) printed in the lower left corner. **It should be drawn directly from the observed object(s).** A scale must be shown. The drawing should be mounted on BLACK paper 330 x 240mm. One entry per student. Your Name, Year Level and School must be on a white sticky label attached to the front of the mounting on the lower right side.

ADVERTISING POSTER THEME - “Riparian planting.”

Use the above theme to advertise this year’s fair. The A4 sized poster must include “WITT Taranaki Science & Technology Fair” and the Location and Date. It must be **hand-drawn**. Posters produced with the aid of a computer will not be accepted. Your Name, Year Level and School must be on a white sticky label attached to the front of the poster on the lower right side and please put this inside a blank 20mm margin on the bottom of the poster. **Posters to be unmounted.**

SPECIAL CATEGORY: WATER ROCKET CHALLENGE.

This entry involves making a water rocket using fizzy drink bottles (Coca Cola, Sprite etc). Any sized bottle(s) can be used but must be designed to withstand pressure. All rockets will be fired from a launcher at the same pressure and trajectory. Contestants will decide on design, and how much water (if any) they will add to the rocket before launching. No labels are necessary.

ROBOTICS – Details at www.focus-consultancy.co.nz

The following key dates are when entry forms and exhibits need to reach me. Your school may well have an earlier deadline you’ll need to observe.

ALL ENTRY FORMS TO REACH Manager by Wednesday 4th July - Address on entry forms

EXHIBITS in the Photography, Journalism, Observational Drawing and Advertising Poster sections need to be handed in to me with entry forms by **Wednesday 4th July.**

EXHIBITS in the Scientific Investigation and Technological Development sections: You may bring your actual project along on **Monday 6th August between Noon and 4.30 pm, or on Tuesday 7th August between 8.00 and 9.15 am.**

ROCKETS & ROBOTS need to be checked in at the La Mer Lounge by 9.15 am on Tuesday 7th August.

NOTE: No students to be present for project judging, but Water Rocket Challenge and Robotics students will need to be there with their robots and rockets.