

PATERSON HIGH SCHOOL SCIENCE LABORATORY



**SCIENCE EXPO TRAINING & PROJECT
DEVELOPMENT :**
12 MARCH 2022 – 23 JUNE 2022

12th and 19th March 2022 – Learners attended a workshop offered on how to develop Science Projects. This session was facilitated by Mr. Andre Schlemmer who was SCIENCE EXPO Provincial Coordinator until the end of March 2022.



23rd March : Training presented by Dr. Ron Beyers on the construction and the use of the farm kit to test for moisture in soil.

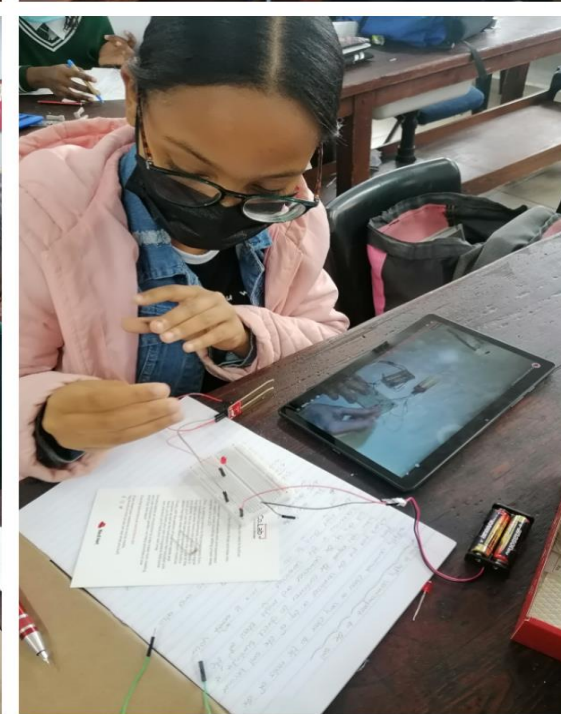
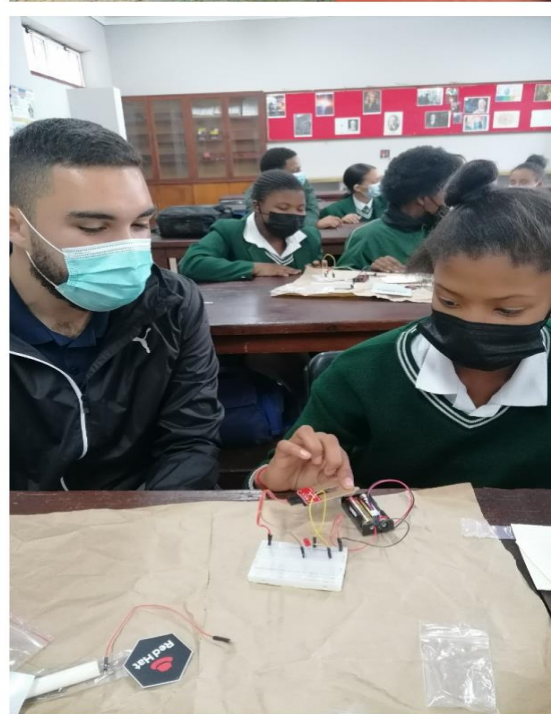


26th May: the initial stages of developing the projects to participate at the REGIONAL ESKOM EXPO for young scientists on 5th August 2022 at Grey Junior School.

Note the evidence of the initial chaos, brainstorming, trial and error, giving up and coming back to give it another chance.



Both teaching and non-teaching staff coming in to assist when help was required.





DRAZENE CHANSEN

PROJECT TITLE:
THE EFFECT OF DIFFERENT TYPES OF
FERTILIZER ON THE GROWTH RATE
OF PLANTS

CATEGORY:
AGRICULTURE

JAYDA SCHOLTZ

PROJECT TITLE:

THE EFFECT OF DIFFERENT
GROWTH MEDIA ON PLANT
GROWTH

CATEGORY:
AGRICULTURE



MICHILLO MENTOOR

PROJECT TITLE:
THE EFFECT OF DIFFERENT TYPES OF
NUTRIENTS ON THE GERMINATION
RATE OF BEAN SEEDS

CATEGORY:
AGRICULTURE





MENNEN JORDAAN

PROJECT TITLE:
THE EFFECT OF DIFFERENT
MATERIALS ON THE STRENGTH OF
ECO BRICKS

CATEGORY:
SCIENTIFIC INVESTIGATION



MICHA BOOYSEN

PROJECT TITLE:
INVESTIGATION OF THE
BIODEGRADABILITY OF DIFFERENT
MATERIALS

CATEGORY:
CHEMISTRY



DOMINIC BRINK

PROJECT TITLE:
THE EFFECT OF DEPTH OF WATER
AND GRAVITATIONAL POTENTIAL
ENERGY ON WATER PRESSURE

CATEGORY:
SCIENTIFIC INVESTIGATION



HAMISH BARDIEN

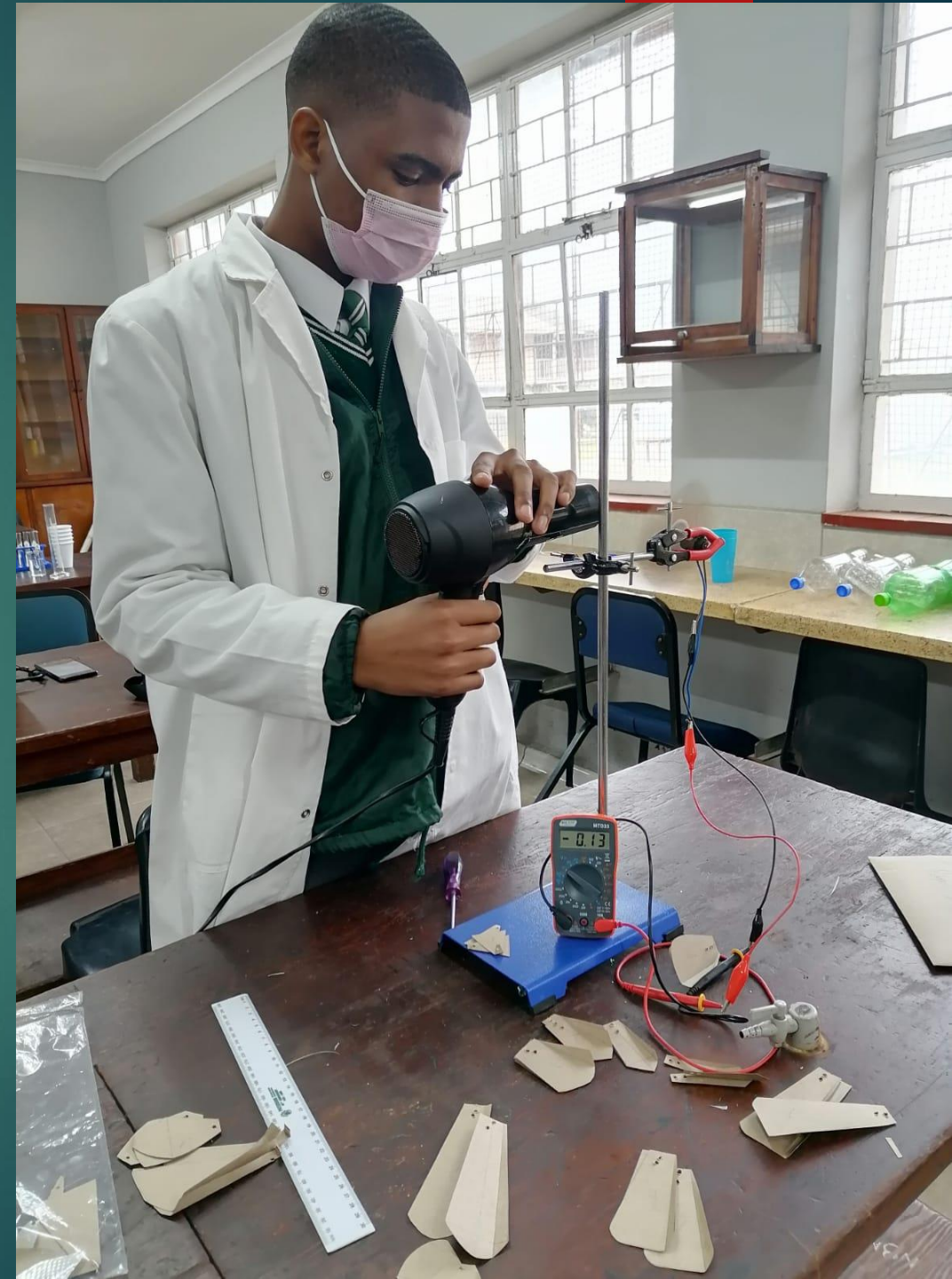
PROJECT TITLE:
THE EFFECT OF INDUSTRIAL ACTIVITY
ON THE pH AND PURITY OF WATER

CATEGORY:
CHEMISTRY

RIKYLE JORDAAN

PROJECT TITLE:
THE EFFECT OF DIFFERENT DESIGNS
OF TURBINE BLADES ON THE
EFFICIENCY OF THE WIND TURBINE

CATEGORY:
SCIENTIFIC INVESTIGATION





ERIN STRYDOM

PROJECT TITLE:
EXTRACTION OF WATER FROM AIR
(BY FRACTIONAL CONDENSATION
OF AIR) AND TESTING FOR
IMPURITIES CONTAINED IN THE
WATER

CATEGORY:
CHEMISTRY

Non-Teaching staff member Mr. Ralph Lavers was very supportive throughout the last month.



THE END OF THE FIRST PHASE WAS MARKED BY GLEEFUL EXPRESSIONS OF SATISFACTION AND RELIEF ! IT'S TIME FOR THE BUDDING SCIENTISTS TO TAKE A WELL-DESERVED BREAK UNTIL WE RESUME ON THE 19TH JULY 2022.

Thank you to the educators involved:

Mr. M. Simon. Mr. Z. Ebrahim, Ms. E. Van Rooyen, Mr. L. Knipe, Mr. V. Xuba, Ms. S. Maaka, Mrs. N. Wicomb and. Mr. K. Prins