



POP SCIENCE @ UNIVERSITY

Secretariat for Catholic Education (Physics
Department) & University of Malta

Stephanie Maggi-Pulis
Malta

PILOT PROJECT - June 2016 (St Francis Secondary School)



FIRST TWO SESSIONS

► November 2016



► March 2017





PROGRAMME FOR THE DAY

- ▶ 8.30 - 8.45 Meeting schools
- ▶ 8.45 - 8.55 Introduction and Objectives
- ▶ 9.00 - 9.30 Careers in Science/
Mathematics & Statistics
- ▶ 9.30 - 10.30 Hands-on Experiments Session
with University students
- ▶ 10.30 - 10.50 Break
- ▶ 10.50 - 12.00 Visits to various Labs in
Sciences Departments



AIMS OF THE PROJECT

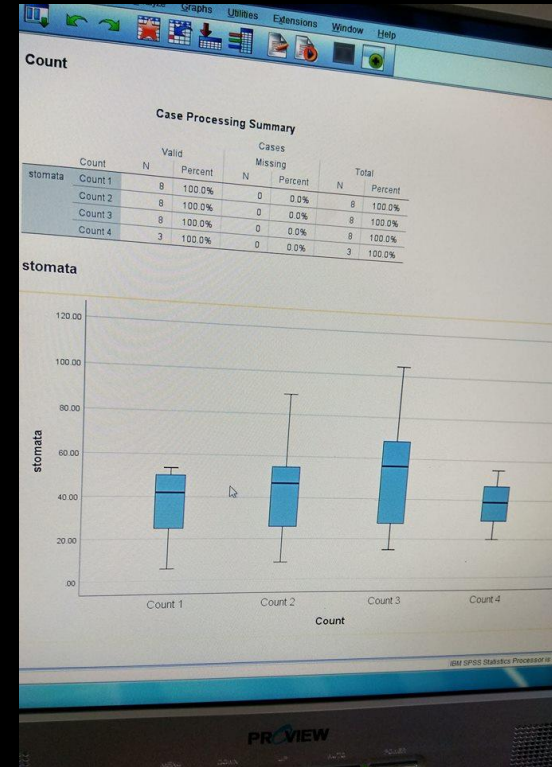
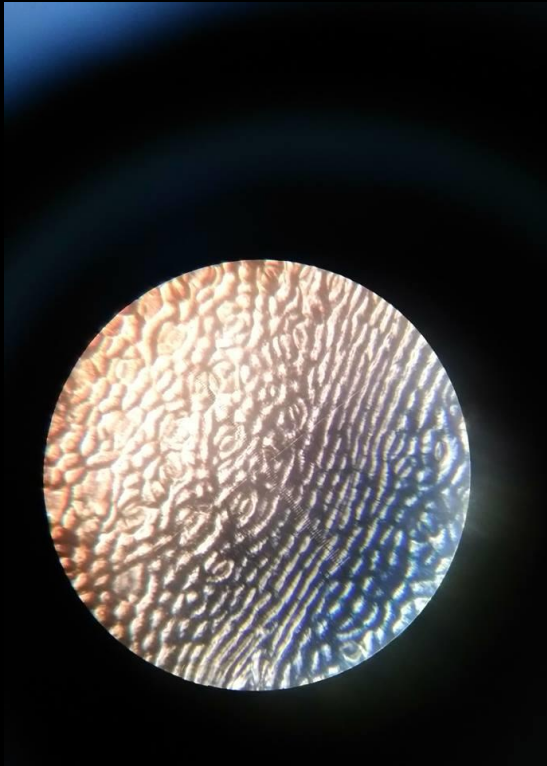
Aim 1 - STEM Careers

- ▶ To introduce students to STEM Careers and the degrees offered at University of Malta in Sciences, Education, Mathematics and Statistics.

Aim 2 - meeting scientists and researchers



- ▶ Meeting scientists and modern researchers
- ▶ Visiting the STEM laboratories
- ▶ Participating in prepared workshops.
- ▶ Students experience life on Campus



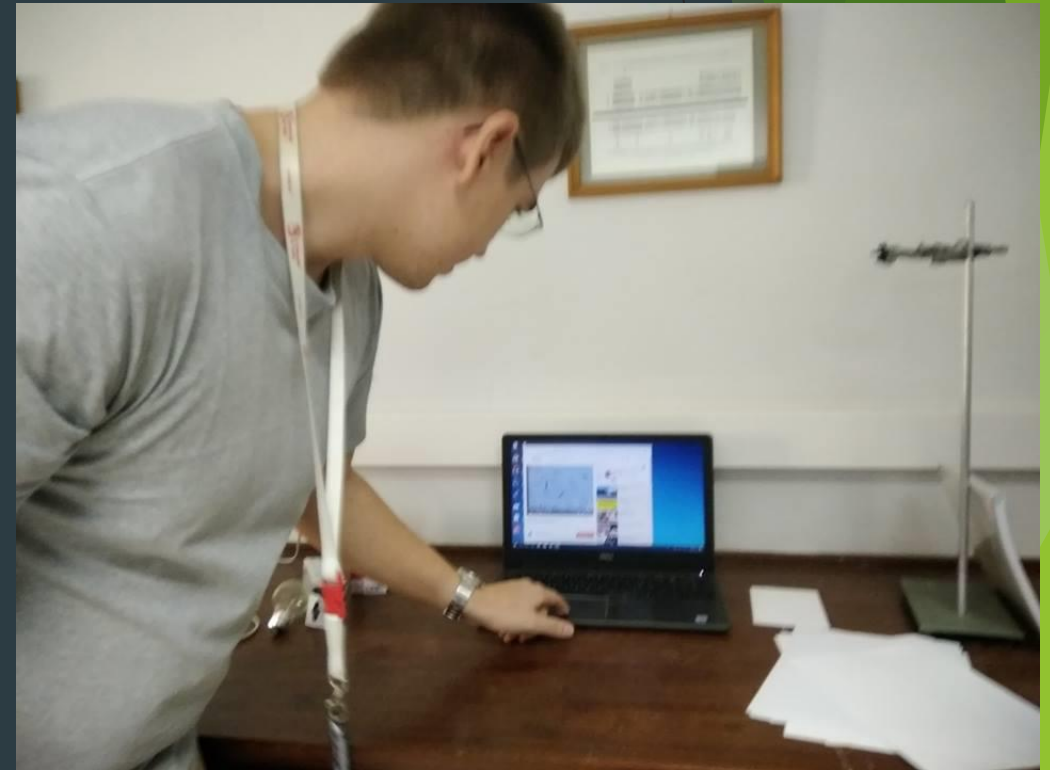
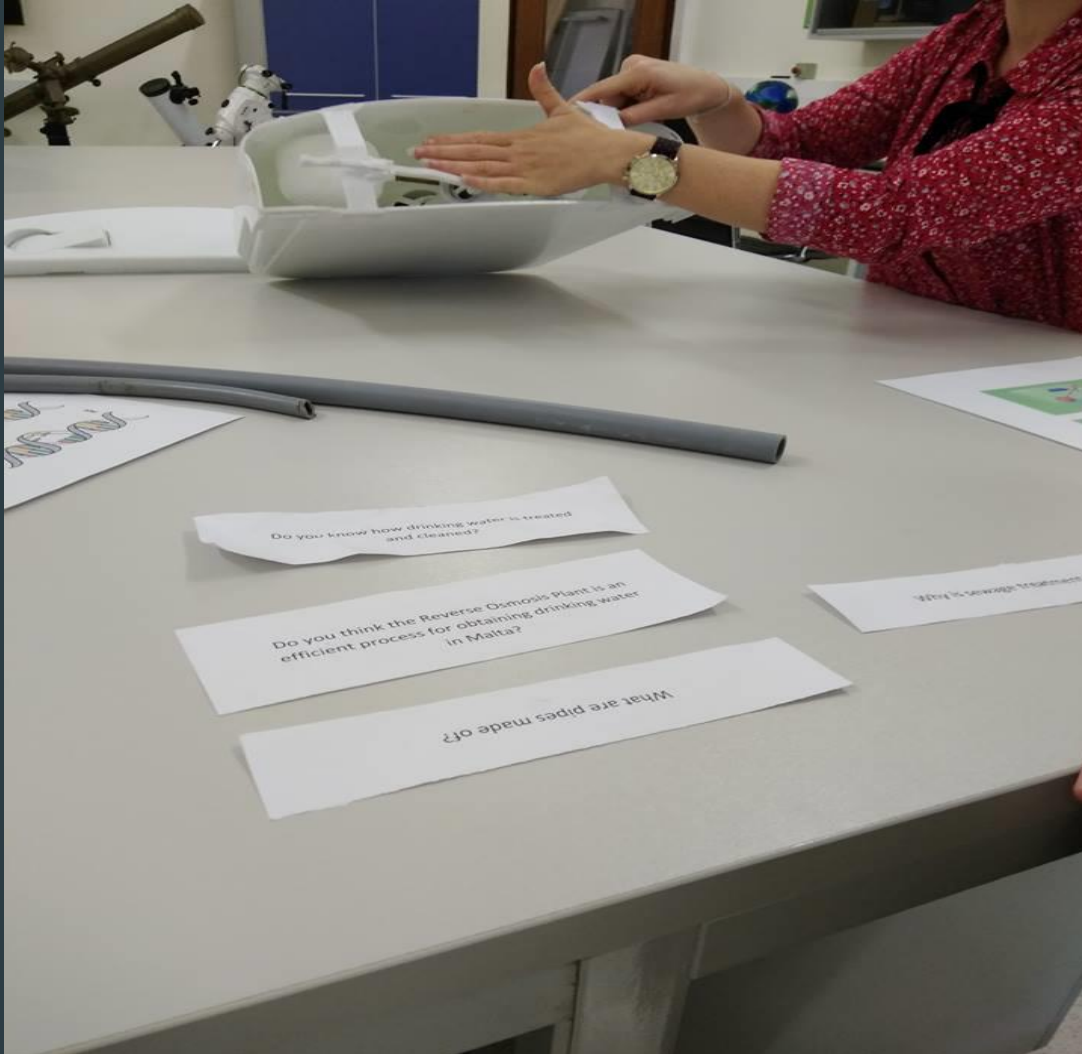
Linking Leaf Stomata to Statistics Workshop

Aim 3 - University students' outreach to schools

- To give undergraduate students (Education and Masters in Teaching and Learning) the opportunity to prepare and present hands-on experiments for students.



Inquiry-Based Learning and technology



Different STEM workshops



Feedback at the end

- ▶ 2 stars
- ▶ ... and a wish



Oral feedback

“The student teachers were well prepared on the area, some of them even with worksheets. I liked the idea of prediction and scientific method.”

(Science/Chemistry teacher)

“I enjoyed learning on Space study and the use of super computers in this area.” (Kevin, Year 9)

“This was fun and I liked the investigation on magnetism with the story in the beginning...”

(Ella, Year 9)

Teacher Training on STEM Careers

Teachers visit laboratories at Faculty of Science



Researcher Julian Bonello addressing teachers at the Electromagnetics laboratory.



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