



Information for the Scientix Community

**Good Practice from Secondary School and Teacher Educators**

**Dear teachers,**

**Agueda gave me 5 minutes to discuss ITESS and good practices.**

**Cheers,**

**James Serra**

## Good practice examples

In a television show, Daphne (age 15) on the right, discussing her Dobson telescope. Two years later she did her research for Diploma Programme at the university



*"My first aim is therefore analysing the synthesis of methyl-C6-deoxyphenyleneamine-arbutin and analysing it, using nuclear magnetic resonance (NMR), infrared spectroscopy (IR) and thin layer chromatography (TLC)." ("Hint: the short name for methyl-C6-deoxy-phenyleneamine-arbutin is MJR29.") De derde plaats in de Van Melsenprijs is voor Daphne Meins, voor haar werkstuk "Investigating the synthesis and activity of the molecule MJR29, a potential inhibitor of the GTF-180 glucansucrase enzyme that is involved in the formation of dental plaque".*



James Dowling and Tom Hoogerduijn Strating from the Maartens College in Groningen, won the second Prize at the Unge Forskere Science event last April. They won with their project Methane from Cattle Waste.



Esther and Ilvy won the VanMelsen Award in Nijmegen and a gold medal for science in Moskow.

### Heat stable Oxytocine Injection



Halbe Osinga, teacher who was nominated for his research, **why do my students have high grades!**  
<https://onderzoekonderwijs.net/2019/11/04/nro-verbindingsprijzen-2019/>



**Survival of the strongest:**

How does more muscle mass affect life expectancy after liver transplant

<https://www.youtube.com/watch?v=4JNM-PAMsa8>

**Healthy Aging:**

Research about cellular aging of yeast cells

<https://www.youtube.com/watch?v=8zLIN86TY8g>

**This is a video related to energy transitions lessons (SSIBL) my students designed:**

Science students develop lessons for vocational school about energy transition.

<https://vimeo.com/372982694>

**General video about ITESS International Teacher Education Secondary School:**

<https://youtu.be/htmj8awcv3Y>

**Information about the Science Teacher education programme:**

<https://www.nhlstenden.com/en/courses/international-teacher-education-secondary-schools/specialisation-science>

The Programme Guide year 1 is provided as a separate document.

**Contact information:**

James Serra MSc MEd

Science Teacher Educator NHLStenden University of Applied Sciences

james.serra@nhlstenden.com