



ROSARY PRIVATE SCHOOL, SHARJAH

REPORT ON NSTI FESTIVAL, FESTIVAL ARENA, January 31st -4th February 2019

The NSTI Science Fair gives unique and rare opportunities to the students of U.A.E. to show case their talent and exhibit their skill in various subject areas such as Physical, Chemical and Mathematical Science, Social and Behavioral Sciences, Biological and Ecological Sciences and Technology. The Ministry of Education conducted the event and this was the second edition of the science fair, held in Dubai Arena, Dubai Festival City from 30 January to 4 February 2019.

Two seniors, Sheikha Abdul Aziz and Ghaya Ahmed (Grade 9) from our school made it to the finals after countless attempts and sleepless nights. They presented, **"THE SCUTOID - BRAND NEW GEOMETRIC SHAPE IN MULTICELLULAR ORGANISMS."** After merging a frustum and prismatoid, they got a new shape called a scutoid. These shapes are found in the epithelial cells in humans as well as animals. The invention of this new shape helps in growing artificial tissues and organs in the laboratory. It is also helpful in effective organ replacement through which a revolution in the medical field can be anticipated.

Throughout the whole event, the girls stayed in a hotel, near the venue, which helped them socialize with other school students and exchange their ideas for future projects. On 30th of January, the students had set up their projects at a booth. The main competition, however, started on the next day. Various judges on three consecutive days judged the project. Our student's project was published in a leading Arabic newspaper. Our students were fortunate enough to meet and describe the project to various ministers of the UAE who were accompanied by leaders and prominent personalities from various fields. It was indeed a memorable and time worthy experience for the students as well as the teachers.



الإمارات اليوم

إشراف جامعي على طلبة المدارس الحكومية قريباً

31 JANUARY 2019

تنسق وزارة التربية والتعليم مع الجامعات المحلية والدولية، لإدخال الإشراف الجامعي في المدارس الحكومية على مستوى الدولة، ومن المقرر أن تشهد المرحلة المقبلة إشراف أساتذة جامعيين على طلبة المدارس، بحيث يشرف دكتور جامعي على طلبة مدرسة، ويقدم لهم دعماً أكاديمياً، بهدف تعزيز قدراتهم الابتكارية والدراسية.

صَحَّح بذلك وزير التربية والتعليم، حسين بن إبراهيم الحمادي، على هامش المهرجان الوطني للعلوم



In FIKRATI (MY IDEA), Ahmed Ali from grade 4 has participated .

Project Name: Household Waste management System in High-Rise Residential Buildings

Project explains how the household garbage can be separated in different ways and expose in proper manner.

In this project, we are practically going to show you the method of disposing the waste garbage, First of all we are keeping three different color of trash bins for paper (yellow), plastic (red) and kitchen waste (green).Which is collected and thrown in floor corridor chute like paper(yellow), plastic (red), kitchen waste(green) (each corridor floor has different color of chute), After this the garbage is collected in the building basement in different trash bins fills and automatically buzzer sounds to indicate the management to call upon municipality to collect the trash bin and make sure they have to make a challenging cost- effective and eco-friendly waste management system.

This whole project is designed in 3D effect to show the collection of garbage from a society apartment in different colour trash bins to indicate the types of garbage.

The main purpose of implementing and showing this project is to keep the society and the country (UAE) clean and un polluted, also a fact that most solid waste collected is done in UAE.





