

Science is an adventure in life

Students experience science as a human activity and its relevance to society and to one's own personal, intellectual framework. Students learn how to gain knowledge, think critically and to grow as thinking, aware, and concerned human beings.

Through meaningful and motivational experiences, students identify their unique traits and where they fit in life.

From tips and insights to personal reflections, teachers inspire the minds of the next generation of scientists and spark in our students a lifelong curiosity of science and the natural world, forming creative and thinking adults who can work both independently and collaboratively.



Engage



Connect



Integrate



Extend



Reflect

Engage!

A science show is a sequence of dramatic demonstrations of science experiments on stage. The idea is to inspire the kids to pursue science beyond the classroom and find joy in learning. The scientific explanations are delivered in an interesting fashion.

Grade 6 students enjoyed the science show presented by the children's museum, the on-site science laboratory demonstrated several chemistry experiments focused on the states of matter and the changes in the states of matter in an experiential enchanting show that brought a lot of fun to students.





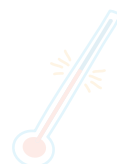
Connect!



Through hosting external speakers, schools provide a safe space for students to engage with a variety of real life issues and situations and hear different perspectives.

Grade 7 students hosted Dr. Issa AbuDayyeh as an integral part of their primary research, in which students inquired about the impact of vaccination to solve a problem and improve public health.

Dr. Issa is the director of Biolab first Branch, and he is the head of the immunology department and head of research and development.

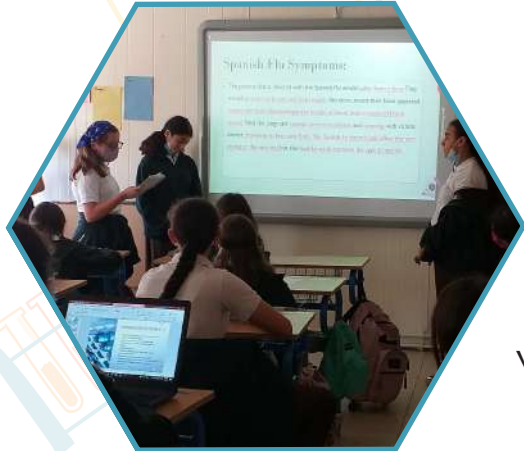


Dr. Fares is a Professor of Animal Ecology in the Department of Biology and Biotechnology at the American University of Madaba (AUM).

Grade 8 students hosted Dr. Fares Khoury as an extension learning opportunity to talk about Jordan's rich biodiversity focusing on the population of birds and the human impact on the environment.

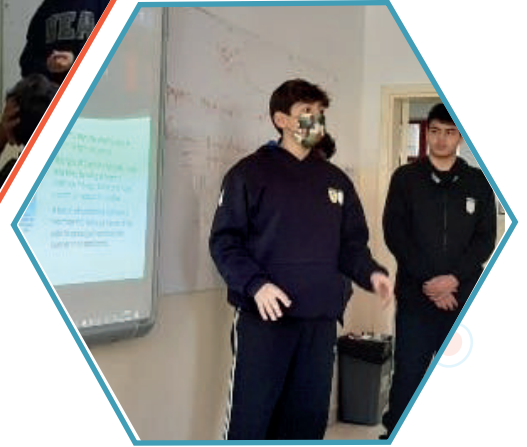


Students worked collaboratively and communicated their research through a digital tool of their choice.



Grade 7 students reflected on the impact of vaccination to solve the problem of infectious diseases and improve public health, students chose a problem that had been solved by vaccines throughout history and impacted public health.

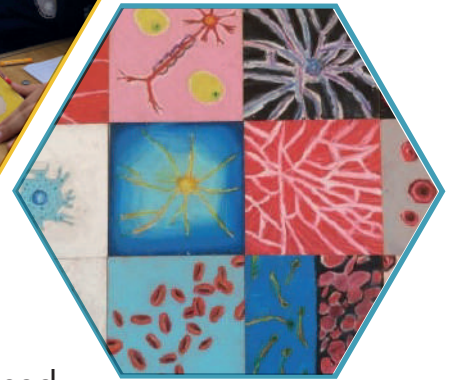
Grade 8 students reflected on the impact of a technology that uses electromagnetic waves to solve a problem of their choice.



Integrate!

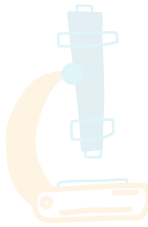



Interdisciplinary learning enables teachers and students to make connections through exploring clear and relevant links across the curriculum, grade 7 students integrated science and art to create amazing drawings expressing their understanding about specialized cells through lines and colors.



Engage!

Science debates facilitates constructive engagement with today science issues among students by encouraging students to care, to research and to debate with each other on recent scientific-based resolutions.



 **Grade 7** students debated the use of embryonic stem cells to cure disease after conducting research and collecting evidence.



 **Extend!**

Birdwatching is a means of connecting with nature and part of environmental education that fosters the learners' understanding of ecological relationships and general positive attitude about the natural and their sense of responsibility and belonging to their **city/community/country**.

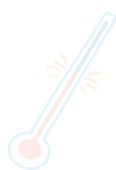
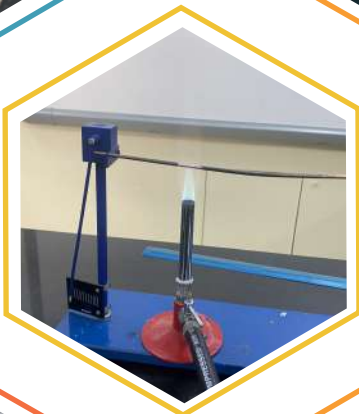
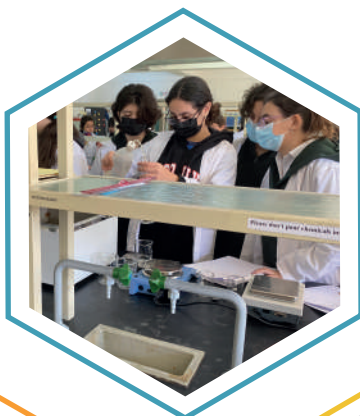
◆ **The science & educational transformation departments** arranged a trip to **Azraqwetland** in collaboration with Jordan Bird Watch Organization to educators as a preliminary step to launch the first bird watching club in the school.



◆ It will be an opportunity for the school's community to engage in rich organic experience. **Stay Tuned!**

Engage!

Experiential learning is an engaged learning process whereby students **"learn by doing"** and by reflecting on the experience.





Engaging students in science content requires educators to help students see themselves as scientists, engineers, artists instead of passively observing other people doing the work of science.



THANK YOU!

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