



Report of the Study Day  
"The Beauty of Mathematics"

22 Mars 2023

As part of the celebration of the International Day of Mathematics which coincides with March 14 of each year, the National Institute for Research in Education (INRE) organized on March 22, 2023, a study day entitled "**The Beauty of Mathematics**" which saw the participation of recognized experts in different fields of mathematics, from number theory to mathematical analysis and probability and statistics to provide a unique insight into the beauty of mathematics and the challenges they pose.

This study day was an opportunity to discover and rediscover the beauty of mathematics, appreciate its richness and diversity, and consider it a source of inspiration to develop creation and reflection in all fields.

Before launching the work of the study day, the guests among others **Pr BOUHICHA Mohamed**, Director-General of The Directorate-General for Scientific Research and Technological Development (DGRSDT), Mrs. The representative of the secretariat of the Ministry of National Education, as well as members of the scientific council of the INRE and Mathematics speakers, have made, in the company of the Director of National Institute for Research in Education **Pr BERNAOUI Radia**, a visit of the institute where they inaugurated the educational gallery of mathematics and informatics decorated by an exhibition of biography of the mathematicians who made the history of the discipline and also containing educational games in mathematics, the guests visited thereafter the divisions of research and the media library "Omar Yassef".

The study day was opened by the national anthem, followed by the welcome speech of the Director of the Institute, who expressed her gratitude to the guests and speakers for their support and their supportive presence, stressing that mathematics is a universal language that transcends geographical and cultural boundaries and that it is the basis of many scientific and technological advances in the modern world. **Prof. BERNAOUI** did not fail to pay tribute to the

memory of our glorious martyrs and valiant mujahideen who sacrificed their lives on the occasion of the 61st anniversary of Victory Day, March 19.

The work of the day was divided into two sessions, the first devoted to scientific interventions and chaired by **Dr. BERRANI Sid Ahmed**. During this session **Pr. AOURAG Hafid** presented a communication entitled «*Une histoire d'ombres et de nombres* » **Pr. BELBACHIR Hacène** communicated on «*Le triangle des coefficients binomiaux : origine et propriétés de l'introduction*», **Dr. BENSAOU Nacéra** spoke on «*L'histoire des mathématiques arabes Al-khawarizmi : Le Commencement de l'Algèbre*», **Dr. SAYAH Karima** shared her experience at El Awaael School on «*Apprentissage ludique des mathématiques : apprentissage et enseignement par les compétences* » Finally, the last intervention presented by **Dr. AMIMOUR Amine** was on the «*PI Day* ».

The second session was organized in four interactive workshops chaired by **Dr. AMIMOUR Amine**, focused on the playful learning of mathematics with the participation of students from the 1st November elementary school and animated by **Dr. BENSAOU Nacéra**, **Dr. SAYEH Karima**, **Dr. BOULBAZINE Mohcen** and **Dr. AZZOUZ Lahcen** with the aim of experimenting and exploring new approaches to teach mathematics in a more engaging and stimulating way.

This event coincided with the celebration of World Tree Day during which the children participated in a reforestation campaign in the garden "Inspiration" adjoining the media library, where they were initiated to the planting of cypress Tassili and argan offered by the National Institute for Forestry Research (INRF).

At the end of the activities of the study day, the guests expressed their gratitude and thanks for the selection of the theme. The Director of the Institute, **Pr BERNAOUI Radia** thanked the speakers for their inspiring presentations, hoping that this study day has generated new ideas and new projects and at the same time renewed his thanks to **Pr. BOUHICHA Mohamed** for his support and his contribution to the transformation of the INRE to a public scientific and technical institute (EPST).