

Dear friend/member/amateur astronomer,

The KITION PLANETARIUM & OBSERVATORY announces a special course for lyceum students this summer, "**MATHEMATICAL INDUCTION QUEST**".



The course consists of 4 sessions. It discusses method of mathematical induction in school. It touches the widely known tasks of sequences and concentrates on skills to put it on practice in different areas, such as graph theory, chain fractions and tasks on golden ratio.

Homework exercises, particularly in math, are designed to help students solidify their understanding of concepts and expand their mathematical perspective. They provide opportunities for practice and reinforcement of skills learned in class, allowing students to apply and build upon their knowledge. Additionally, homework can encourage deeper engagement with the subject matter and foster independent learning habits.

The 1.5 hours sessions will be conducted by the Astrophysicist Alexander Prokofyev in English every **Friday**, starting on **4<sup>th</sup> July 2025 at 12:00 online**.

At the completion of the course, participants will receive a participation diploma.

*Alexander Prokofyev graduated with honors from the Department of Physics at Moscow State University (Lomonosov University). His scientific work refers to research on "Cosmic Strings in Expanded Theories of Gravitation". Nowadays, he conducts research in Archaeoastronomy, organizes and participates in observations of Total Solar Eclipses, meteor showers and asteroids occultations. He has publications in scientific and popular editions and makes reports in both national and international conferences, from Cyprus to the USA. He is renowned for his pedagogical skills. A great example are the students he prepared for the competitions of the International Olympiad on Astronomy and Astrophysics achieved three times honorable mentions and brought a bronze and two gold medals, entering the top part of talented students on the planet. These are the highest ever awards that Cypriot participants achieved.*

TUITION FEES: € 80

Registration in advance is obligatory

*Join our Spacewalk...*

9 Ammochostou Street, Kiti, Larnaca, 7550, CYPRUS

Contact Phone: + 357 99991111

WEBSITE: [www.astronomycyprus.eu](http://www.astronomycyprus.eu)

E-MAIL: [planetarium@cytanet.com.cy](mailto:planetarium@cytanet.com.cy)

FACEBOOK: <https://www.facebook.com/KITIONPLANETARIUMOBSERVATORY>

