



The original course of Astronomy for the Physics and Mathematics Lyceum



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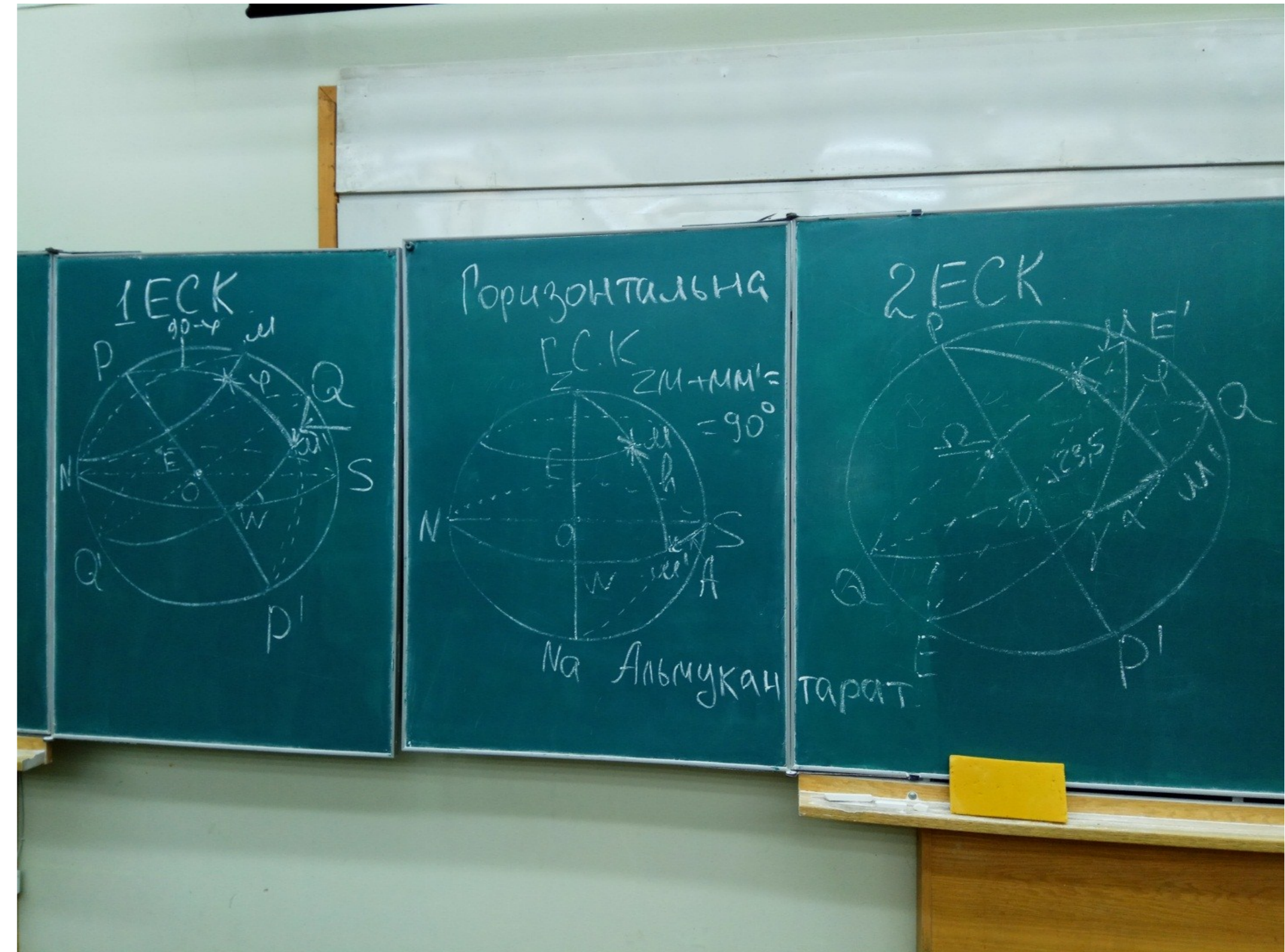
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Building of of the Ukrainian Physics and Mathematics Lyceum of Taras Shevchenko National University



The educational process in the Lyceum is provided by two departments (Physics and Astronomy, Mathematics) and six methodological associations: teachers of Informatics; Chemistry, Biology and Geography; Foreign language; Social and humanitarian subjects; Physical culture and also Educators. The system of the organization of the educational process is also important: in the classrooms, an average of 20 students, in the lessons of individual subjects there is a division into subgroups; In the second half of the day there is an extensive system of elective classes

Training takes place in the large classrooms



In one of the best physics and mathematics schools in Ukraine (UPML of Taras Shevchenko National University), the subject of astronomy is taught for 2.5 years with one lesson per week. The program includes a unit of astronomy at grade level 9-11. It gives pupils deep and fundamental knowledge of the subject and also prepares children for competitions of different levels. This course of astronomy includes such thematic blocks: the basic concept of astronomy; information about the celestial sphere and coordinate systems; constellations; time measurement and calendars; information about the Solar System; the foundations of celestial mechanics; stars; the structure of the galaxy; extragalactic astronomy and cosmology.

Students have the opportunity to make astronomical observations in the Lyceum



At elective classes, students prepare for competitions of different levels and deepen their knowledge on selected questions of astronomy

Lyceum cooperates with the Astronomical Observatory of Taras Shevchenko National University



The station of Astronomical Observatory of Taras Shevchenko National University "Lisnyky" (MPC code 585) and the dome of the telescope AZT-14



The most active students have the opportunity to deepen their knowledge of the practical course of astronomy at the observation station



Telescope AZT-14
($D = 0.48$ m, $F = 7.7$ m)
with the spectrograph
ASP-9



Telescope AZT-8
($D = 0.7$ m, $F = 2.8$ m)



THANK YOU FOR ATTENTION!