

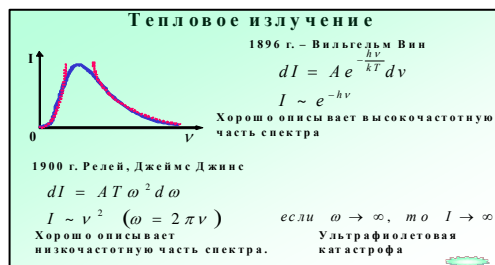
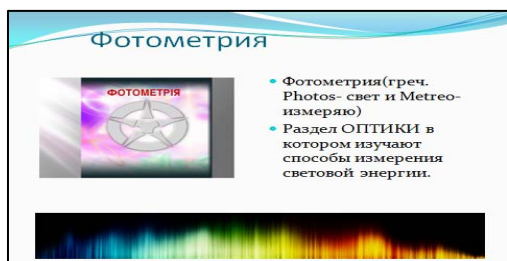
## Information about the open lesson in physics: lecture on "The quantum nature of light"

October 13, 2016, acting professor of physics and chemistry, Ph.D. Abeldina Zhaydary Kaltaevna held an open session, delivered a lecture on "The quantum nature of light" to the students of 2nd year specialty 5V0071100 Geodesy and Cartography.

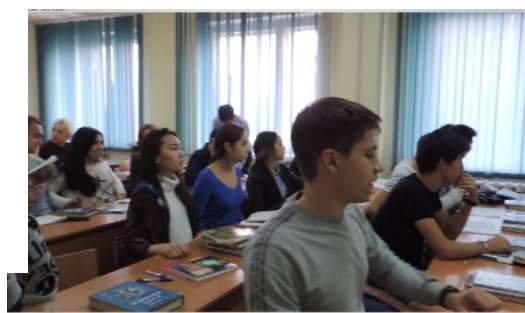
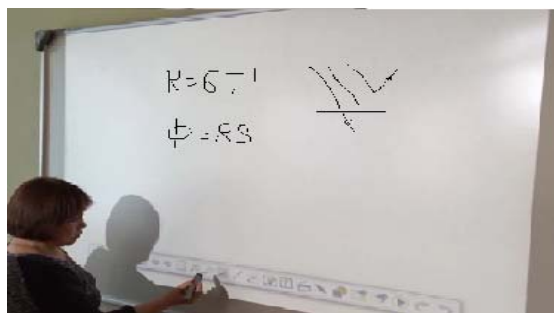
The educational purpose of the activity was to introduce the concept of the quantum properties of light, the formation of the students' understanding of the fundamental laws and phenomena of quantum optics and photometry. Developmental goal meant the emergence of critical thinking and intelligence, independence and the ability to analyze, summarize, draw conclusions, the development of logical thinking. The educational goal - to instill ideological concepts (cause - effect relationships in the outside world).

Support classes conducted via the multimedia whiteboard, multimedia projector, technical and switching capabilities the software used has been demonstrated, using the electronic pen displayed formula scheme.

When reading items used problem-based learning, with the inclusion of presentations: Quantum phenomena in optics. The dual nature of light. Video clip was demonstrated "quantum physics."



Students actively participated in the sessions, asking questions, trying to answer the teacher problem assignments and together come to the necessary conclusions. During sessions held video lectures.



After the open class teachers discussed the course of employment indicated successful teaching methods, noting the high level of professionalism of the lecturer, expressed wishes, necessary for further improvement and professional development.