

An experience of teaching of planetary geology at the senior forms of high school

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Since 1992-93 school year the study course "The Planet Earth" (68 lessons per 45 minutes) is studied at the senior forms of the Liceum "Physical-Technical School" (one of the best high schools of Saint-Petersburg). The task of the course is to give a notion about our planet as a very complex common evolving physical-chemical natural system. It includes such fundamental questions as an origin of the Earth, formation of its inner spheres, global tectonic processes, formation and evolution of atmosphere and hydrosphere, origin of the Life and beginnings of the Mind. The study material is adapted in maximum measure for understanding by high school students, but at the same time all considered problems are explained without simplification of their matter.

The seven-year experience of teaching has shown that the material of the course was studied by the students of the Liceum with large interest and at the same time quite easy. It allows to hope, that the course can be also studied by the students of 10-11 forms (at the age of 16-17) of the usual high schools and be used as a basic part of the school subject "Geology", if such a subject will be applied in general education school program. The course is also can be given to the students of the colleges and universities specializing in natural sciences and pedagogics.

The course is equipped by the illustrated study manual of the same name (co-author: T.V. Sergeyeva) and also by system of control tests and detailed recommendations in methodics for teachers.