

PROJECT TITLE:		
House on Mars	DURATION: 1 lessons	
SUBJECT:	Physics	AGE: 15-17
TEACHERS:	Mr Josef Vladař, Michal Mertl	PREREQUISITES
OTHER SUBJECTS:	english	
ECONOMY AREA KNOWLEDGE (including explanation)	Protection against radioactivity	
PROJECT DETAILS:		
SHORT DESCRIPTION OF THE PROJECT	Design a house on mars and solve the problem of radioactivity. Prepare the presentation for other students and answer their questions	
MOTIVATION	work in team performing in front of students be able to answer unexpected questions	
Theoretical background (for teachers)	understanding of radioactivity issues.	
The size of the student groups	2 groups of 8 students	
Activities	<ol style="list-style-type: none"> 1. Discussion of the problem 2. Design a house 3. Solving the radioactivity protection 4. Present the project in front of the students 5. Answering the questions 	
Place of project realization	classroom or the laboratory	
Significant points		
Products as a result of the project	project documentation (the picture)	
ACTIVITY ASSESSMENT AND REFLECTION:		
Formative assessment (during project implementation)	activity list	Teacher answers the students question, help them solve the problem
Summative assessment (at the end of the project)	Oral presentation Project picture	Students make a presentation of their project

Grading-EVALUATION	Formal assessment	
Applicability of self assessment	<ul style="list-style-type: none"> • YES 	Students learn work in team and are able to listen the others members
Support for project implementation		
Recommended material	Paper, colored pens	
Equipment and tools		
Financial expenses	<ul style="list-style-type: none"> •NO 	
Security alerts	Common rules	
Literature and references	physics textbooks	
Other notes		



