



**Erasmus+ Key Action 2
Strategic Partnerships For School Education Project
“STEP- STEM To Environmental Problems” No. 2018-1-LV01-KA201-046976**

STEM CLUB INSTRUCTION

Aim

The purpose of this club instruction is to create a directive regarding the stem clubs to be opened in schools. This instruction has been prepared in the light of the activities carried out within the scope of the STEP-STEM To Environmental Problems Project. For this reason, the activities listed below were tested and verified during this project.

Scope

- ⇒ It is recommended that the club meet 4 times a month, for 40 minutes.
- ⇒ It is recommended that the club teacher be chosen from teachers working in science, mathematics, technology and other related fields.
- ⇒ It is recommended that the club be formed from 16 students.
- ⇒ It is recommended that the club be formed from students from different classes and levels. In this way, cooperation is strengthened.

Work Schedule and activities are listed below;

Month	Aim	Activities
September	⇒ Introduction of the club to students	<ul style="list-style-type: none"> ⇒ Selection of the club members ⇒ Introduction of the club to the students ⇒ Distribution of tasks and responsibilities between students ⇒ Dividing students into groups



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October	⇒ Introduction of STEM concept to students	⇒ Inviting a STEM expert to school and introducing STEM concept to the students ⇒ Introducing various STEM activities to students
November	⇒ Identifying/exploring environmental problems	⇒ Environmental trips with students to identify environmental problems (leaded by stem expert)
December	⇒ Collecting data	⇒ Making research to collect data to solve environmental Problems ⇒ Brainstorming (leaded by stem expert)
January	⇒ Designing a prototype	⇒ Designing a prototype of the solution and testing it(each group) ⇒ Reporting all activities (each group) (leaded by stem expert)
February	⇒ Raising awareness	⇒ Presenting all activities to other students at school (each group) ⇒ Presenting all activities to parents
March	⇒ Organizing competitions	⇒ Organizing competitions at school related with STEM
April	⇒ Organizing competitions	⇒ Organizing competitions at school related with STEM



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May	⇒ Exhibition of product	⇒ All productions will be presented at school hall
June	⇒ Evaluation	⇒ Students will evaluate all activities done during year via evaluation survey