



Criteria for School project: Best Environmental Invention



ENVIRONMENTAL
EXCELLENCE
SCHOOL AWARD

Increase the environmental knowledge (10 points)

- A full report must be done before working on the project. This report should be included when submitting the project and should be between 1-3 pages. The purpose of this report is to gain knowledge about the theme of the competition.
- Teachers must conduct presentations and class activities to educate the students about the related topic.
- Taking the students to the school's library and making sure they read at least 1 environmental book or watch an environmental documentary during the school year.

The project (25 points)

Grades 10 – 12: Best Environmental Invention

Theme: Preservation of marine life and water resources

Your project should be a solution to the problem at hand. You have to provide a solution in the form of an invention to solve the problem or minimize its harmful effects.

General guidelines:

- The Invention must actually work.
- The Invention should be displayed at the school and be presented to the judging committee when the school visits occur.
- The invention should solve a marine life and water resources problem in the UAE.
- The invention should be an original/enhanced idea. Avoid plagiarism.

Invention Criteria

Criteria	5	4	3	2	1	Score
Items used	All the items used for the invention are re-used, economical, safe, and environmentally friendly	Some items used for the invention are re-used, economical, safe, and environmentally friendly	A few items used for the invention are re-used, but they are expensive and required a budget	The items used for the invention are not re-used, but they are economical	All the items used for the invention are not re-used, not economical, not safe, and or environmentally friendly	
Assembly of the invention	The invention is in excellent condition and it's well assembled.	The invention is in a good condition and is well assembled	The invention is in a somewhat good condition and is not very well assembled	The invention is in a bad condition and is not well assembled	The invention is in a very bad condition and is not well assembled	
Sustainability	The invention is sustainable and will be used in the school for the upcoming years	The invention is sustainable and it is used during the current school year	The invention is not sustainable but it is used in the current school year	The invention is not sustainable but it is used briefly during the current school year	The invention is not sustainable and will not be used in the current school year	
Purpose of the invention	The invention offers an innovative long-term solution to the problem	The invention offers an immediate solution to the problem	The invention offers a short-term solution to the problem	The invention offers somewhat of an acceptable long-term solution to the problem	The invention does not offer an innovative long-term solution to the problem	
Utilization of the invention	The invention is well used and utilized at the school and outside the school as well. The invention is actually working	The invention is well used and utilized at the school only. The invention is actually working	The invention is not used that often and it is only utilized at the school. The invention is not working very well.	The invention is not used that often and it is not utilized at the school. The invention is not working.	The invention is not used and it is not utilized at the school. The invention is not working.	
Total						25/

Collecting data (15 points)

- Conducting online surveys (inside and outside the school), before starting the project, and once the project is finished as well, in order to compare and see the difference and the impact of the project on the students and the community.
- Analysing the survey and documenting the outcome and results of the surveys. (In the form of graphs)
- The survey must be answered by a minimum of 20 people in order to get accurate results.
- Interviewing students and the surrounding community, before starting the project, and once the project is finished as well. (clips of the interviews should be videotaped)
- Creating informative brochures and distributing them inside and outside the school. (The content of the brochure should be created by the teachers and the students)

Documentation (10 points)

- Documentation should be in the form of PDF, pictures and videos.
- Pictures and videos of the invention must be included.
- The video documentation should be in the form of one video that includes short clips of the processes carried out, and the entire video should not be more than 10 minutes.
- All pictures must have clear captions.
- Create a weekly journal with captioned pictures/videos of the activities carried out throughout each week.

Delivering the message (15 points)

- Awareness sessions should be done inside the school + outside the school (awareness should be provided in a minimum of 3 different places).
- The invention should be displayed at the school and the purpose behind it should be explained to the rest of the students. (For example: Gathering the students in the school theatre and showing them the invention)
- Campaigns and environmental workshops.
- Share the project's idea through social networking sites, and you can choose a medium for spreading the message. (Include the links).
- The social media accounts must be active and posting on them must be on a regular basis, even after the submission of the project.

Creativity (5 points)

- Creativity is required through all phases of the project. Students are expected to demonstrate creativity while working on their invention, spreading the message and presenting their project.
- Your invention should be either original, or an enhanced existing invention. Avoid plagiarism.
- Assure the variety of the ideas and avoid repetition.

The Project's Influence on the Students, School and Surrounding Community (10 points)

- The influence and impact the project had on the students, school and surrounding community (i.e. malls, supermarkets, institutions, residential neighbourhoods) should be mentioned.
- The project should exhibit how students can benefit from the project and what it can add to the student's attitude in school.
- The project should have a long-term influence on the students through motivating them to produce similar projects with apparent results in the next academic years.

Student's Participation in the Project (10 points)

- The main objective of this competition is to encourage students to work and create as the only role of the teachers is to provide supervision and assistance if required by students.
- An eco-club must be created, and the members will be the ones working on the project.
- The members of the eco-club should be between 7 – 15 students.



ENVIRONMENTAL
EXCELLENCE
SCHOOL AWARD