

# Painting and waste reuse

## 1. Final task assignment

There is a leading plastic recycling company, "D-ECO!" which aims to reduce the quantity of raw materials and produce more than 100 items of recycled soft and hard plastic. The company elaborated a unique, modern, and environmentally friendly technology of recycling waste products into durable items for outdoor use. In order to create a color range for its products, the company combines multiple materials of natural origin.

The company's products are an ethic alternative to the reckless use of precious natural resources and represent durable goods for their customers and the environment. The company's products are sustainable, free from moisture and micro-organism destruction, they require no painting, do not crack, rot or break.

The company's long-term objective is to become more attractive for different incomes consumers, thus expanding their reach. The clients of this company are concerned with environment and want to use durable goods and resistant to the impact of changing natural conditions (e.g., the company's products can be put near salt water, can be used in cold or hot climate, etc.).

Contestants shall design a 1:1 two-dimensional mock-up for the company's central building lobby. The decor and installation should demonstrate the company's concept and values. Contestants should create this project from the materials and items provided. The installation's function is to produce the esthetic, informational and educational effect on visitors.

### **Module 1. Subject study. Creation of the preliminary project**

1. Study of the subject according to the task assignment.
2. Sketching (or other manual techniques, e.g. watercolor, collage, mixed media, etc.) on the given topic (at least 3 sketches);
3. Design and demonstration of step-by-step implementation plan and production techniques with materials indicated.

4. Development of design sketch, specification, preparation of color chart, adjustment, and overall dimensions setting (A3 size). The sketch must be handmade, must be created in as much detail as possible, reflecting what will be realized in the interior space and must reflect the concept idea.

### **Module 2. Project design - Manufacturing**

1. Construction of a well-balanced composition, using all the decoration elements according to the scheme.
2. Good use of design sketch; implementation plan, making a color chart.
3. Fabrication of the design using various techniques with the use of materials provided.

### **Module 3: Demonstration preparation and project defense**

1. Preparation of the exposition stand as outlined below:
  - Step-by-step implementation plan.
  - Presentation of sketches illustrating the design.
  - Use of graphic, modulation and volumetry, decoration and esthetic techniques.
2. Presentation of draft design and final design.

## **2. Allocated time: 6H00**

6 hours of competition.

## **3. Requirements**

- ✓ The waste materials should represent at least 50% of the volume of the waste materials used in the production of the final object. Contestants are allowed to bring other reusable domestic waste materials (limit of 50% of the final volume of the production) as well as other personal hand tools. These materials cannot be shaped or elaborated before the day of the contest.
- ✓ Contestants should use all of the allocated time for the completion of the task.
- ✓ Contestants must respect the jury's instructions and the safety rules.

- ✓ Contestant must come to the competition with his personal protective equipment (PPE): working clothes, work gloves, safety shoes, safety glasses.

#### 4. Procedure

**Day -1 (March 23<sup>rd</sup>):** On the day before the competition, contestants will be welcomed on the stand of the competition by the members of the jury. A briefing about the organization of the contest and about the security rules will be arranged.

**Day 1 (March 24<sup>th</sup>):** Contestants will have 3 hours to complete the task.

**Day 2 (March 25<sup>th</sup>):** Contestants will have 3 hours to complete the task.

#### 5. Scoring criteria

N°	Items to be evaluated	O/S	Scoring scale
<b>Module 1. Study of the subject. Creation of the preliminary project.</b> <i>Étude du sujet. Création de l'avant-projet.</i>			<b>25</b>
01	Interpretation, innovation of the subject research <i>Interprétation, innovation de la recherche thématique</i>	S	5
02	Quality of the material prepared for the project <i>Qualité du matériel préparé pour la réalisation du projet (avant-projet)</i>	S	5
03	Presence of a minimum of 3 sketches <i>Présence de 3 croquis minimum</i>	O	5
04	Concept idea of the project (authenticity) <i>Idee conceptuelle du projet (authenticité)</i>	S	10
<b>Module 2. Project design – Manufacturing</b> <i>Conception du projet - Fabrication</i>			<b>55</b>
05	Creativity of the proposal <i>Créativité de la proposition</i>	S	10
06	Completeness, understanding the specificity of the subject <i>Exhaustivité, comprendre la spécificité du sujet</i>	S	10
07	Quality of composition (esthetic qualities) of the design <i>Qualité de composition (qualités esthétiques) du design</i>	S	10
08	Quality of the design's color scheme (compatibility, balance, harmony) <i>Qualité de la carte couleur de la conception (compatibilité, équilibre, harmonie)</i>	S	5
09	Degree of use of additional materials <i>Degré d'utilisation de matériaux supplémentaires</i>	S	10

10	Diversity of techniques used in the design (at least 2) <i>Diversités des techniques utilisées pour la conception (au moins 2)</i>	O	5
11	Overall finish, stability and strength of the design (the final product hangs on the wall) <i>Finition globale, stabilité et solidité de la conception (le produit final s'accroche au mur)</i>	O	5
<b>Module 3. Demonstration preparation and project defense</b> <i>Préparation de la démonstration et défense du projet</i>			<b>20</b>
12	Compliance with the safety rules, organization of the workstation, cleanliness and method <i>Respect des règles de sécurité, organisation du poste de travail, propreté et méthode</i>	O	5
13	Quality of layout presentation <i>Qualité de la présentation de l'aménagement</i>	S	5
14	Presence of all elements specified in the task assignment (Draft) <i>Présence de tous les éléments spécifiés dans l'affectation des tâches (Avant-projet)</i>	O	5
15	Presence of at least 50% by volume of recycling materials <i>Présence d'au moins 50% en volume de matériaux de recyclage</i>	O	5
<b>TOTAL POINTS</b>			<b>100</b>