Jr. Aviator Recycling Competition

Hosted by the **HHMS Trep$ Club**

To celebrate Earth Day, the Trep$ Club will be hosting a Recycle, Upcycle & Repurpose Competition in the hopes of raising awareness about environmental issues within our community and world. This contest is an opportunity for students to explore recycling and upcycling methods in a creative way. We are featuring 3 separate categories: Recycle Robot Contest, Upcycle Design, and Repurposed Art. Rules, guidelines and instructions are provided below.

Important Dates:

- April 21st – submission forms due to Miss Krysz(place in Middle School mailbox) or send via email at ***KryszK@hhschools.org***
- April 21st – 23rd - project entrees are due to Mr. Mastropietro's Office
- April 23rd – 24th - judging will take place throughout the school day
- April 25th - winners will be announced and prizes will be awarded

Please provide the following information on an **index** **card** with your entry:

Front of card:

1. Title of your entry.

2. Category

3. List of parts

Back of card:

4. Statement (please limit to 150 words)

   a. For the Repurpose Art Contest: Provide an artist's statement describing the art's value, use, or impact

   b. For the Recycle Robot Contest: Describe the action the robot will perform, how long it takes, and how the robot could benefit society and provide emailed video of robot

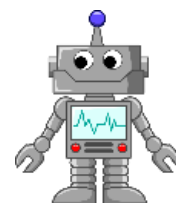   c. For the Upcycle Contests: Explain the advantages of the new object over the old one

Awards:

First, second, and third place ribbons will be given in each division of the contest. Winners will be selected by HHMS staff.

Please contact Miss Krysz with questions: KryszK@hhSchools.org

Recycle Robot Contest

General Description:

The contest will consist of the design, build and operation of a robot made from recycled parts that will complete an action, which is chosen and described by the designer of the robot.

Contest Rules:

1. The robot must perform an action of some sort, which will be determined by the designer(s) of the robot. What the action will be must be specified and described on the entry form.

2. The action must be performed within a five-minute time frame. Once the action begins, no one can touch the robot until the action is completed.

3. A video of the robot performing the action must be turned in with the robot. The video can be emailed to KryszK@hhSchools.org

4. At least 90% of all parts must be recycled from some previous use. Glue paint, screws, and other fastening devices are not included in the 10% that do not have to be recycled.

5. A list of all parts must be included with the robot when turned in. The list must identify which parts are NEW.

6. The robot cannot exceed the size of 4 feet on any dimension.

7. Teams can complete the robot together. (No more than 3 students to a team.)

8. All work must be done by the team members, and all work must be original (not a copy of someone else's work, and no work completed by parents, etc.)

9. All decisions of the judges will be final.

10. Judging Criteria: Each robot will be judged on the following criteria, with a maximum of 10 points in each category:

- Mechanical Design

- Programming

- Innovation and Creativity

- Effective use of materials

- Usefulness and functionality of the action

- Bonus/Amaze

Repurposed Art Contest

General Description:

The contest will consist of the design and creation of a work of art made from recycled parts.

Definition of **Repurposed**: taking one thing and reusing it as something else.

Contest Rules:

1. A design statement must be included with the work of art explaining what the artist is conveying in the work of art or what the value, use, or impact of the object is. This should not exceed 150 words.

2. At least 90% of all parts must be recycled from some previous use. Glue paint, screws, and other fastening devices are not included in the 10% that do not have to be recycled.

3. A list of all parts must be included with the artwork when turned in. The list must identify which parts are NEW.

4. The artwork cannot exceed the size of 4 feet on any dimension

5. Teams can complete the piece of art together(No more than 3 students per team)

6. All work must be done by the team members and all work must be original (not a copy of someone else's work, and no work completed by parents, etc.)

7. All decisions of the judges will be final

8. Judging Criteria: Each project will be judged on the following criteria, with a maximum of 10 points in each category:

- Visual Impact
- Interpretation and Creativity
- Composition/Design
- Craftsmanship
- Artist's Statement
- Bonus/Amaze

Upcycle Design Contest

General Description:

The contest will consist of the design and build of an object made from recycled parts that is an improvement over simply recycling the object or an improvement of the original use. For example, in South America people are taking liter soda bottles, stuffing them with used plastic bags, and using these bottles to build walls.

Definition of **Upcycled**: taking something and making it better. It's the reuse of an item that may be used in a new way

Contest Rules:

1. A design statement of how the upcycled object is an improvement over the original object or what the advantages, value, or impact of the upcycled object are must be turned in with the upcycled object.

This should not exceed 150 words. (See the application form.)

2. At least 90% of all parts must be recycled from some previous use. Glue paint, screws, and other fastening devices are not included in the 10% that do not have to be recycled.

3. A list of all parts must be included with the object when turned in. The list must identify which parts are NEW.

4. The upcycled design cannot exceed the size of 4 feet on any dimension

5. Teams can complete the robot together (No more than 3 students per team).

6. All work must be done by the team members, and all work must be original (not a copy of someone else's work, and no work completed by parents, etc.)

7. All decisions of the judges will be final

8. Judging Criteria: Each project will be judged on the following criteria, with a maximum of 10 points in each category:

● Innovation and Creativity

● Effective Use of Materials

● Engineering

● Usefulness and Functionality of the Upcycled Object

● Explanation of Advantages

● Bonus/Amaze

Recycle, Upcycle, and Repurpose Contest

Submission Form

1. Please indicate which category of the competition you wish to enter:

_____ Repurposed Art

_____ Recycled Robot

_____ Upcycle

2. Application type:

_____ Individual   _____ Team

3. Grade level:

_____ 6th   _____ 7th   _____ 8th   _____ mixed grade levels

4. Contact Information:

Name_____ Grade _____

Email _____

Additional Member Names: _____ Grade _____

Additional Member Names: _____ Grade _____

Title of Entry _____

- ● Please attach list of materials used. List must identify which parts are NEW

- ● Include statement if entering the Repurposed Art Contest or Upcycle Contest

- ● Email KryszK@hhSchools.org with video if you are entering the Recycled Robot Contest