

October Design Challenge!



Hurricane Helper

Due: Tuesday, October 31st

Dear Families,

We are going to use October's design challenge to make a difference in the world. PTA is working to collect money to send to Red Cross for hurricane victims. Please consider donating whatever you can to assist them. Donations will be accepted throughout the month of October and will be due on October 31st.

Thank you for your donation!

Problem: Over the past few months hurricanes have devastated many communities in the United States and the Caribbean Islands. Strong winds have damaged homes, schools, and other buildings.

Construct:

- Design and build a prototype house that will withstand hurricane force winds
- You may use any RECYCLABLE material from home/school
- You must be able to explain/defend your design choices

Research:

- Spend some time researching the most recent hurricanes using the following websites.
- List some facts that you learned about the hurricane that helped you to decide on your design.

Website:

<https://wonderopolis.org/>

<http://www.sweetsearch.com/>

<http://magazines.scholastic.com/>

Draw:

Draw a picture of your design. Label the parts of your design. On the lines below list some information from your research that helped you design your house. Explain the reasons you chose the design you did.



Design Challenge Rubric

	<u>Fully Met</u>	<u>Partially Met</u>	<u>Not Met</u>
Design			
Prototype was created using recyclable materials			
Design took into consideration information found in research			
Clear explanation of design choice			
Research			
At least three important facts about hurricanes was listed from research			
Research was used to create house			

Test			
Wind test was completed			
Wind test chart was completed			
Test follow up writing was completed			