

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

Draw:

Draw a picture of your design.



Test:

Test your house using a wind source (hair dryer, fan, leaf blower...) and fill in the chart below. Test each side of your house by blowing wind on it for 5 seconds and draw a picture of what happens.

Blow wind on the...	Draw a picture
Front	
Back	
Left Side	
Right Side	

Design Challenge Rubric

	<u>Fully Met</u>	<u>Partially Met</u>	<u>Not Met</u>
Design			
Used recyclables			
Drew picture of design			
Test			
Wind test was completed			
Wind test chart was completed			