

**Congratulations on designing a hurricane-resistant home!**  
**Now it's time to act like an architect AND a salesperson!**

Your challenge:

*You are now part of a new group of architects from different architectural firms who've been given one important task...*

**Design a hurricane-resistant home and SELL this idea to potential customers (so that you'll make lots of money!)**

**Tasks:**

1. A sketch of your home design which includes *at least* 3 features that make this home hurricane-resistant.
2. A short description or bulleted list of *at least* 3 hurricane facts that effectively convince your customers that they *NEED* to own a house like the one you've designed.

**Roles of each member of your team:**

1. Two or three of you should scan through the following websites and pick at least 3 features you want to include in your house.
  - Then someone should draw a house on a piece of paper that's glued onto the poster. Another person should label the 3 features on the drawing. And the 3rd person (if you have a 3rd person on this 'team') should name the house design and write this in big letters on your poster. (If you don't have a 3rd person, someone else should take on this task).

<https://www.loveproperty.com/gallerylist/77130/hurricaneproof-homes-that-save-lives>

<https://www.businessinsider.com/hurricane-proof-home-how-to-2018-11>

<https://tinyhouseblog.com/tiny-house-concept/five-tiny-houses-that-could-withstand-hurricanes/>

2. Two or three of you should scan through the following websites and pick out at least 3 facts about hurricanes that your customers should know. These facts should be 'scary' enough to convince your customers that they NEED to buy your house.

- Then someone should write these facts neatly on a piece of paper which is glued onto your poster. \*Put this information in your own words - do not copy!\* Another person can 'decorate' the poster. And the 3rd person (if you have a 3rd in this group) can be in charge of checking spelling so that there are no errors. They can also be the timekeeper. (If you don't have a 3rd person, someone else should take on these tasks).

<https://www.cnn.com/2019/09/05/weather/hurricanes-speed-slowng-trnd/index.html>

<https://www.cnn.com/2019/09/03/weather/climate-change-effects-on-hurricanes/index.html>

<https://science360.gov/obj/video/6d804d31-89fa-4956-9f2f-b8b305a4d817/climate-change-made-harvey-rainfall-15-percent-more-intense>

<https://science360.gov/obj/video/5fd7be9b-ae05-4c59-9d3a-a65f3bd4331f/nature-strikes-hurricanes>

<https://www.sciencenewsforstudents.org/article/slow-hurricanes-dorian-become-dangerous-and-hard-predict>

Breakdown of tasks:

- \_\_\_\_\_ will draw the house
- \_\_\_\_\_ will label the house with features
- \_\_\_\_\_ will write the name of the house design on the poster
- \_\_\_\_\_ will write the facts on paper (which will be glued to the poster)
- \_\_\_\_\_ will 'decorate' the poster
- \_\_\_\_\_ will do spell check

Suggested time limits in order to complete your challenge on time:

5 min: assign roles

30 min: read through websites, pick your 3 features and your 3 hurricane facts

40 min: complete sketch, add labels, complete hurricane facts section

10 min: finishing touches to complete poster

## FINAL HURRICANE STEM PROJECT GROUP CHALLENGE RUBRIC

Criteria	4 WOW! Exceeds grade-level expectations	3 Great job! Meets grade-level expectations	2 Good! Approaching grade-level expectations	1 Almost There! Assistance needed; below grade-level expectations
House design	Very neat, well thought-out design with 3+ features of a hurricane resistant home labelled correctly	Neat design that has 3 features of a hurricane resistant home labelled correctly	House design has 2 features of hurricane resistant home labelled correctly	House design not clear or labelled features do not relate to hurricane resistance
Hurricane info	Detailed, very convincing information about the threat & science of hurricanes	Basic information about the threat & science of hurricanes	Information about hurricanes not very relevant, accurate, or convincing	Information inaccurate, confusion or not relevant
Visual appeal	No spelling errors; strong eye appeal; very convincing to customers	A few spelling errors; eye appeal; convincing to customers	Several spelling errors; not much eye appeal; marginally convincing to customers	Many spelling errors; no eye appeal; not convincing to customers