Science Homework: Designing a Coat for Chase

*Please ask someone to work with you on this homework to be your ‘design partner.’*

In class we have already explored the material properties to make a good doghouse roof for rainy weather. Now you are going to think about which material would make a good coat for Chase to wear in case it rained and he was not in his doghouse!

1) Think about the materials your group and other groups experimented with in class. Explain to your design partner what materials were tested and what was observed.

2) Discuss the different materials and their properties. Which would be most comfortable to wear and be effective for keeping Chase dry?

3) Draw and explain your design below. Be sure to state which material or materials you picked to use and why using evidence from our class experiment.

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**Materials for Coat:**

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**Why did you pick these materials?**

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