

Name: _____

Changing Seasons

Ready for your challenge second graders? We have learned about the four seasons—winter, spring, summer, and fall (autumn). We have learned that we wear different clothing depending on the season and the weather.

CHALLENGE:

Working with your group and using the materials and tools provided, design and create one free-standing doll. The doll must have at least one moving part and one outfit. Free-standing means that it stands freely without leaning on or being supported by anything else. The outfit should stay on the doll without falling off. Observers must be able to name the season your doll is dressed for without being told.

CRITERIA:

- *Your doll must be free-standing
- *Your doll must have at least one moving part
- *Your doll must have one outfit that does not fall off
- *Observers must be able to name the season your doll is dressed for without being told
- *You have to use at least four different items (*you can use as many items as you need, but four is your minimum)

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TEST YOUR SOLUTION:

1. Did you and your group make one doll? yes no
2. Is your doll free-standing? yes no
3. Does your doll have at least one moving part? yes
no
4. Do you have one outfit for your doll that
represents your season? yes no
5. Does your outfit stay on your doll without falling off?
yes no
6. Could observers name the season your doll is
dressed for without being told? yes no
7. Did you and your group cooperate? yes no

8. Did you and your group use at least four different items? yes no

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EVALUATE YOUR SOLUTION:

Answer these questions.

1. What was your favorite part of this design challenge?

2. What was the most difficult part about this design challenge?

2. How could you make your product better?

3. If you did this design challenge again, what would you do differently?

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BRAINSTORM SOLUTIONS:

***Each person will turn this paper in.**

Brainstorm and draw at least two ways to make your free-standing doll and outfit. Circle the idea that you choose to use. Cross out ideas that you do not like, or choose not to use. *Don't forget to use at least four different items.

IDEA # 1

IDEA # 2

