

# Designing





# Aim

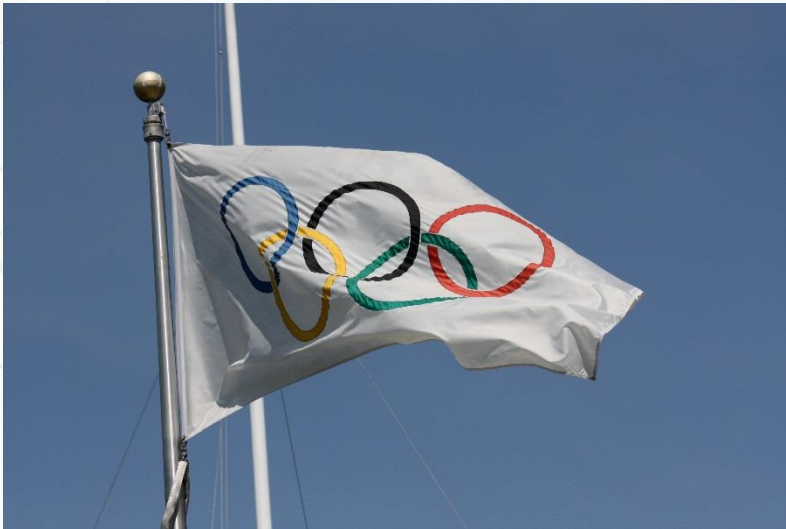
- I can develop design criteria.
- I can develop and communicate a design for my kite.

# Success Criteria

- I can explain my existing understanding about design criteria.
- I can explain what is meant by design criteria and why they are important.
- I can create my own design criteria for a kite based on knowledge gained about kite parts and shapes.
- I can decide upon the shape I want my kite to be.
- I can communicate my ideas about materials, measurements and decoration.

# Sporting Celebration

In 2021 Olympic and Paralympic flags will fly high, as will all the flags of participating nations.



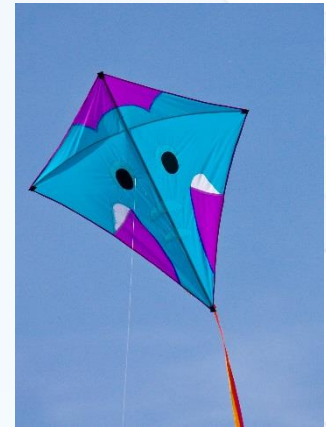
But the Olympic and Paralympic sporting venues across the country will not be the sole sites of flying objects. . . .

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# Sporting Celebration

Your school is invited to join in too: Let's Go Fly a Kite!



Your challenge is to create a kite and host your very own kite festival in celebration of the Olympics and Paralympics.

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# Design Criteria



What is meant by design criteria and why do we need design criteria when making a product?

- Design criteria specify what the product must do to be successful.
- Design criteria are needed to inform the designing and making process.

It is important to prioritise the design criteria to help focus on the most important things the product must do to be successful.





# Developing Design Criteria

**Kite Design Criteria**

What must your kite do to be successful? Create some ideas.

Improve your ideas and then list your design criteria.

- 1.
- 2.
- 3.
- 4.

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**Kite Design Criteria**

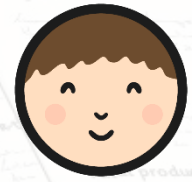
What must your kite do to be successful? Create some ideas.

Improve and prioritise your ideas and then list your design criteria. Put the most important criteria at the top of your list.

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# Shape, Materials, Measurements and Decoration



Today you will need to think of a design for your kite based on your design criteria.

Firstly, you need to decide upon the shape, materials and measurements.

Your shape should be based on one you learnt about in lesson 3 however you can alter and adjust the shapes.

You will need to decide and write the measurements for your kite onto your design.

You can use colours to add decoration onto your design remembering the decoration needs to represent the sporting event.

## Kite Design

Shape, materials, decoration and measurements

Materials/tools needed

- Large white bin liner, red and blue tissue paper
- Dowel
- Scissors, glue and masking tape

Notes/extra information

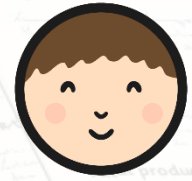
The kite will have a tail with red, white and blue ribbons.

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# Designing



## Kite Design

<div></div>	
Shape, materials, decoration and measurements	Materials/tools needed
	Notes/extra information

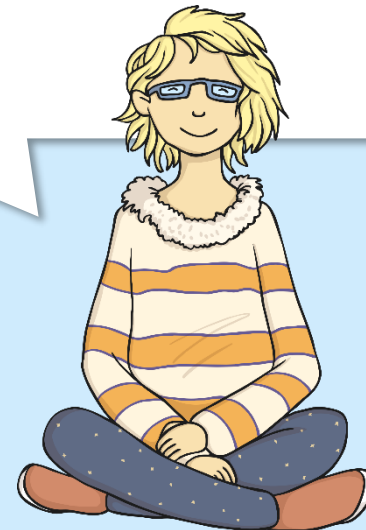


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Don't forget:

- Decide on the shape of your kite
- Decide which materials you will use
- Write the measurements for your kite on your design
- Decorate your kite with a sporting theme

Have fun!





# Peer Feedback



Work with a partner.  
Look at their design.  
Discuss what you like about it.  
Can you suggest anything they could improve?



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