

Name: _____ SCN: _____

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Notes to candidates

Before you start to analyse the research, you must select a brief and read the 'Instructions for candidates'. This gives details of the skills you must demonstrate and the type of evidence you must provide.

You should speak to your teacher or lecturer before you start if you are unclear about what is required for this assessment.

You need to produce the specification detailed on the 'research and specification pro forma'.

You must:

- draw conclusions from the research
- ensure your specification covers a range of issues such as aesthetics, function, ergonomics, performance, and cost

Design brief

Carnival World would like a design proposal for new outdoor interactive playground equipment for children.

The company has indicated that the proposal needs to allow two children to play at the same time, and have a range of sensory play features, including sound.



It will also need to be secured to the ground.

You can use one or more of the components shown on pages 24-26 within the assembly of the proposal.

Dimensions of beater sticks (mm)



Length of handle = 350
Stick diameter = 9
Ball diameter = 30

Interview with co-ordinators

Play co-ordinators from Carnival World were asked the following questions. Their responses were collated and are shown below.

Q1 What age group should the playground equipment be designed to suit?
Children between 4 and 6 years old should be able to play with it.

Q2 Are there any restrictions on the overall size of the playground equipment?
The equipment needs to fit inside the existing play parks. There is a maximum 2m x 2m area at each location for the equipment.

Q3 You said the design must include a range of sensory features including sound. What other sensory play features do you think will engage children?
There are different types of sensory play features that children of this age group enjoy sorting and moving objects, touching different textures, balancing items, moving objects, and playing with liquids. We would like the equipment to include sound and another two sensory features.

Q4 Are there any other requirements for the playground equipment?
The sound feature should be created using beater sticks, therefore two sets of these should be included. The equipment must also be easy for staff to maintain at the end of each day.

Q5 How many will be required and what is the budget?
We will require 10 products and our budget for each is £300.

Images for aesthetic inspiration

A range of carnival themed images was shown to 4 to 6-year-olds and the images below were the most popular. The company would like these to inspire the design.



Summary of images:
bright and eye-catching colours, recognisable shapes.

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