

January 2012

GCSE DESIGN AND TECHNOLOGY PRODUCT DESIGN

A552/TS Designing and Making Innovation Challenge

TASK SHEET

**To be opened on the day of the examination
between 3 January 2012 and 25 January 2012**



INSTRUCTIONS TO CANDIDATES

You will have a total of 6 hours to complete the examination. This is normally 2 × 3 hour sessions plus 30 min reflection session.

At the end of the examination you must have:

- selected **one** of the challenges detailed on this paper;
- completed an answer booklet showing your creative thinking and how your idea works;
- produced a **model/prototype** to show the important features of your design;
- at least **four** photographs fixed in your workbook showing your modelling, trialling and prototyping activities;
- completed the 'Reflection' section of the workbook at some time between 24 and 72 hours after completion of the challenge.

INFORMATION FOR CANDIDATES

- This document consists of **2** pages. Any blank pages are indicated.

INSTRUCTION TO EXAMS OFFICER/INVIGILATOR

- Do not send this Insert for marking; it should be retained in the centre or recycled. Please contact OCR Copyright should you wish to re-use this document.

Summer Holiday Entertainment

Situation:

Entertaining children during the school summer holidays can be problematic for parents. The local council have organised a 'picnic in the park' event for children between the ages of 5 and 11 years.

From the lists of challenges below select **one** challenge for which you will design and manufacture a prototype solution.

Challenge 1 'Promotion'

To promote the event the council require point of sale displays that will be sent to local schools and leisure centres during the summer term.

Challenge 2 'Picnic Snack'

The council will provide snacks for the children throughout the day. A snack that is easy to distribute and encourages children to try new foods is required.

Challenge 3 'Uniform'

The adult play leaders require a casual uniform for this event which will allow them to be easily identified from a distance.

Challenge 4 'Fund Raising'

Charity fund raising events will take place throughout the day. A fun method of displaying the total raised is required.

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.