

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE**

A552/TS

**DESIGN AND TECHNOLOGY
PRODUCT DESIGN**

**Designing and Making
Innovation Challenge**

TASK SHEET

**To be opened on the day of the
examination between 1 April 2014
and 21 June 2014**

MODIFIED ENLARGED

READ INSTRUCTIONS OVERLEAF

INSTRUCTIONS TO CANDIDATES

You will have 6 hours in two 3 hour sessions plus 30 minutes plus your additional time allowance to reflect on design ideas, to complete the examination.

At the end of the examination you must have:

- **selected ONE of the challenges detailed on this task sheet;**
- **completed a workbook 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 between 24 and 72 hours after the completion of the challenge.**

INFORMATION FOR CANDIDATES

Any blank pages are indicated.

INSTRUCTION TO EXAMS OFFICER/INVIGILATOR

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

BLANK PAGE

ADVENTURE BREAKS AND ACTIVITIES

SITUATION:

OCR Adventure Breaks is an outdoor adventure activity company providing a range of activities for individuals, families, school and community groups. The company provide activities including:

**climbing
abseiling
canoeing
white water rafting
bush craft and survival
mountain biking
paintballing.**

From the list of challenges below select ONE challenge for which you will design and make a model/prototype solution.

CHALLENGE 1 ‘PROMOTIONAL MATERIAL’

There are many companies offering similar activity breaks. OCR Adventure Breaks requires three dimensional (3D) promotional material that will make them more appealing than other adventure companies. The promotional material will be displayed at places such as youth clubs, schools and community centres.

CHALLENGE 2 ‘CAMPING FOOD’

Participants in overnight activities require a healthy and balanced hot meal. A meal kit is to be provided. The meal should be easily carried and cooked by the individual undertaking the activity.

CHALLENGE 3 'OVERNIGHT SHELTER'

A portable shelter is required for use by individuals undertaking the bush craft and survival overnight activity. The shelter should be easily carried.

CHALLENGE 4 'DAY BAG'

Each individual taking part in the adventure activities will be given a day bag to use to carry their essential equipment such as food, water, first aid, and spare clothing. A suitable day bag is required.

BLANK PAGE

BLANK PAGE



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.

