

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**  
**GCSE**  
**A552/01/TS**  
**DESIGN AND TECHNOLOGY**  
**PRODUCT DESIGN**  
**Designing and Making**  
**Innovation Challenge**  
**TASK SHEET**  
**JUNE 2015**  
**To be opened on the day of the**  
**examination between 1 April 2015 and**  
**21 June 2015**  
**MODIFIED ENLARGED 24pt**

**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**

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# **SUMMER MUSIC FESTIVAL**

## **SITUATION:**

**Outdoor music festivals are now a regular part of the summer music scene. Festivals often last for a number of days and people need to be prepared to camp, eat, wash, and cope with changeable weather conditions. Festivals attract a range of people including teenagers, young adults and family groups.**

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

### **Challenge 1 ‘Food and Drink Holder’**

**Carrying food and drinks for families and friends around a music festival site can be problematic. Food may go cold, drinks could be spilt or you may not be able to carry the quantity of food or drink required. A ‘flat-packed’ holder that is easy to assemble and recycle is needed.**

### **Challenge 2 ‘Festival Five’**

**People attending music festivals often find it difficult to eat healthily. ‘Festival Five’ are going to operate food stalls at music festivals. They require a design for a food product. The design should consider both healthy eating and the method of packaging to minimise the amount of waste generated.**

### **Challenge 3 ‘Individual Seating’**

**People attending festivals often have to stand for long periods of time, which can be tiring. A portable seat which is easily carried and assembled is required.**

### **Challenge 4 ‘Multi-Functional Garment’**

**Having suitable clothing at a music festival can be problematic. The weather may be hot and sunny, or it could be wet and cold. An item of clothing that could be adapted for different weather conditions is required.**

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