

Tuesday 17 January 2012 – Morning

AS GCE DESIGN AND TECHNOLOGY

F521/02 Advanced Innovation Challenge

SESSION 3 – REFLECTION TEST

Candidates answer on the Question Paper.

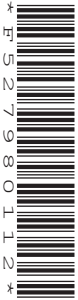
OCR supplied materials:

None

Other materials required:

- Candidate's completed answer booklet

Duration: 1 hour



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- This paper contains two questions – you are to answer **both** questions.
- You are advised to spend 30 minutes on each question.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- You may use annotated sketches to support your written answer.
- Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- **You should have the answer booklet that you produced in sessions 1 and 2 to assist you during this paper.**
- The total number of marks for this paper is **20**.
- This document consists of **8** pages. Any blank pages are indicated.

Examiner's Use Only:			
1			
2			
Total			

Answer **both** questions in the space provided.

1 Inclusive design is an increasingly important issue that designers face.

Prepare a discussion that **reflects on your product** and addresses inclusive design.

You should include:

- Any modifications you would make to your product to make it more inclusive to a broader range of users.
- Materials and manufacturing techniques that could be used for the modifications.
- Cost implications of these modifications.

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2 Sustainability is an increasingly important issue for any designer; the event organisers are keen to raise environmental awareness during and after the event.

Prepare a discussion that **reflects on your product** and addresses these environmental and social issues.

You should include:

- A brief outline of the Life Cycle Analysis of your product
- Materials and manufacturing techniques that could be used to improve the sustainability of your product
- Details of how your product can help raise awareness of sustainability.

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