This resource is intended to be read in conjunction with the case study on the project led by Derby College	
This is what this resource is	A PBL brief for Level 3 students on a Professional Construction and Built Environment Programme of Study (Year 2)
This is what it is for	To brief students of their PBL and map to assessment criteria of a specific Unit
This is how it could be used	As a tool for your students or to be adapted for a relevant course

Outstanding Teaching, Learning and Assessment

TECHNICAL SKILLS NATIONAL PROGRAMME

Document type/name (PBL Brief 2: Planning and Designing a Construction Project)
Created by: (Will Lambert, Derby College)

Output 9

Managed by

In partnership with


DERBY college


Leicester
College


New College Stamford
All round excellence


NOTTINGHAM COLLEGE

ASSESSMENT SPECIFICATION – **Professional Construction**

Student's Name……			
Course Title	Level 3 BTEC National in Construction and the Built Environment	**Unit Number:**	M/600/0444
Unit Title	Unit 21: Project in Construction and the Built Environment	**QCF Unit Credit Value**	10
Title	Group Project in creating a specification for a construction project	**Assessment No**	1
Issue Date Week Commencing	26th September 17	**Hand in Date**	22nd November 17
Course/Programme Co-ordinator	Will Lambert	**Assessor (S) Name**	Will Lambert
Internal Verifier	Craig Tansley	**IV'd & Approved Date**	

Outcomes

1 Be able to create a specification for a construction project

Assessment Criteria	Outcomes	Functional Skills
P1 identify a construction project and possible solutions	1	[IE1, IE6]
P2 use appropriate techniques to identify the best solution for the construction project	1	[IE1, IE6, CT1]
P3 produce a specification for the construction project	1	[IE2, IE4, TW1, EP4]
P4 produce a plan for the construction project	1	[IE1, IE6, RL2]
M1 construct the project development process	1	

Note:

There is one deadline for handing in your work. For assignments no formative feedback is provided.

When you hand in your assignment:

- Please ensure you retain a copy of your assignment
- Please ensure your assignment has your full name on it
- Please ensure you include a completed front sheet and assignment brief
- Ensure all tasks to be handed in are all stapled together

Declaration:

a) I confirm that I have read and understood the above information.
b) I certify that the work submitted for assessment is entirely my own.
I understand and agree with grade awarded.

Students Signature: **Date:**

Case Study Scenario

For this task assume that you have been engaged by a client to put forward a specification, initial designs and plans for a construction project in your local area (See separate client specification and ground survey notes) Your proposals must meet the current Building Regulations.
You are required to identify the Client's design needs: including spatial requirements, aesthetics, quality, budget, best value goals and time. You also need to establish typical forms of construction, identifying their limitations of form and structure.

Assessment Tasks	Grading Criteria	Lecturers Notes
1. In respect of the case study project, identify a construction project that will meet the needs of the client. For this task put forward 3 possible solutions together with sketches to show what materials and components you will use to form the main elements of the building.	P1	This work will draw on what you have already learnt while studying other parts of the programme. For example: Unit 5 Construction Technology and Design in Construction and Civil Engineering, Unit 22 Design Procedures in Construction, Unit 8 Graphical Detailing in Construction and the Built Environment and Unit 18 CADD for Construction.
2. With the help of the tutor identify the best solution for the construction project. The chosen solution must be realistic and be achievable in the time frame available. Use a flow diagram to help you to establish the relationship between the spaces and the functional requirements of your proposed design solution. Produce sketch plans to show the possible spatial requirements of your design solution. Consider the minimum space needed in order for the rooms to function.	P2	
3. Produce a 500 word written project specification. Particular emphasis should be placed on ensuring that you have considered environmental, technological, budgetary, resource and time constraints.	P3	
4. Produce a plan for the design process to demonstrate Your organisational, planning and presentation skills. This can be in the form of a Gantt chart. This is the document that will drive the rest of the design process. You can use MS Project or a similar programme for this exercise.	P4	
5. Construct a flow diagram of the project development process. Each stage of the process must be included. The flow diagram can be based on the RIBA plan of works but it should also reflect the assignment scenario.	M1	