

Delivery Pack for Construction: Design, Surveying and Planning



Delivery Pack for Construction: Design, Surveying and Planning

The Delivery Pack is designed to support the Core Component, and will include several **CASE STUDIES**

Each case study will support several of the topics from the Core Component content and will include the following resource materials:

- Introduction PowerPoint
- Industry Resource Links
- Topic Lesson Plans

Case Study Matrix

Topics	Thames Tideway	HS2	Modular Building	Dover Western Docks	V&A Dundee	RICS Future of Buildings Sustainability
Construction Maths and Science	✓	✓	✓	✓	✓	
Design	✓	✓	✓	✓	✓	✓
Law	✓	✓	✓			
CBE Industry Relationship Management / Commercial Business	✓	✓	✓	✓		
Project Management	✓	✓	✓	✓	✓	✓
Embedded Topics						
Health and Safety	x					
Sustainability	x	x	x		x	x
Measurement	x	x		x		
Information and Data	x	x				
Building Technology	x	x	x	x	x	x
Digital Technology		x	x			
Relationship to Occupational Specialism	Surveying & Design Civil Engineering Haz Mat	Building Services Surveying & Design Civil Engineering Haz Mat	Surveying & Design	Surveying & Design Civil Engineering	Building Services Surveying & Design	Surveying & Design

How to use the Case Study Matrix

The **case studies** run horizontal across the matrix.

The **topics** run vertically down the matrix. We have selected five topics from the Core Component content, and indicated which case studies these feature in. Plus, there are **embedded topics** that are naturally within the case study.

We have also indicated which of the Occupational Specialisms each case study supports.

You can choose how to use the materials:

Deliver a whole case study, look in detail at how the case study covers the topics, enabling your students to learn about multiple topics and how they impact a single initiative.

Or

Deliver a whole topic using the examples from multiple case studies, looking in detail at the topic and how it differs depending upon the case study, enabling your students to focus on a single topic and explore how it changes and adapts depending upon the situation.

Case Studies and Topic Lesson Plans

Each case study starts with an introduction, designed to help introduce the concept of the case study and encourage students to start to explore more about the project.

There then follows a Topic Lesson Plan. Each Topic Lesson Plan introduces the topic within the concept of the case study, as indicated on the matrix; and includes 3 or 4 activities that are designed to support the teaching the learning of the topic to your students.

Introduction PowerPoint

This will introduce each case study to your students, and aims to contextualise the concept of the case study directly within an industry environment. It will also introduce:

- The depth and breadth of the concept
- How the concept of the case study relates to the sector.

We will also include a set of 'speaker notes' to help you get started.

Industry Resource Links

Industry Resource Links is a guide created by Pearson giving descriptions of, and links to, a variety of external stakeholder materials that are publically available that you might find helpful in supporting your teaching and delivery.

The links aim to show a selection of industries/employers that are high quality examples for the topics within the case study. Enabling your students to gain industry knowledge that is cutting edge and innovative, and supporting you in 'bringing the topic to life' within a classroom environment.

Unless specifically stated these resources are completely independently produced and are not endorsed by Pearson. We have looked at them though, and we think they could be useful in supporting this Technical Qualification.

We leave it to you, as a professional educator, to decide if any of these resources are right for you and your students, and how best to use them.

Topic – linked to the assessment

The T Level Technical Qualification in Construction: Design, Surveying and Planning is 100% externally assessed. This means all the assessments are set and marked by Pearson.

This resource aims to give you a little more detail about the assessment, how to prepare your students, and links to where the Topics appear within our Specimen Assessment Materials (SAM) and Additional Specimen Assessment Materials (AdSAM).

Delivery Pack Introduction

Finally, we will create a Delivery Pack Introduction to inform you about the contents of the whole pack and provide guidance on how to use the resources for the delivery of the Technical Qualification.

Our aim is to give guidance on how using the resources collectively will enable you to create topic schemes of work or holistic projects that could support delivery and formative assessment.

ALWAYS LEARNING