

Industry Resource Links

Case Study: Thames Tideway

Industry Resource Links is a guide created by Pearson giving descriptions of, and links to, a variety of external stakeholder materials that are publicly available that you might find helpful in supporting your teaching and delivery of the Thames Tideway case study and cover the following topics from the Core Component:

- Construction Maths and Science
- Design
- Law
- CBE Industry Relationship Management / Commercial Business
- Project Management

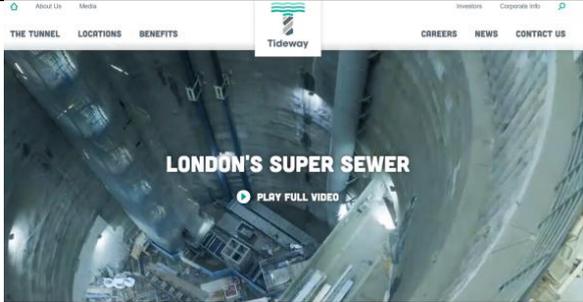
We have also indicated which additional topics from the Core Component are embedded within the Industry Resource Link. These embedded topics are:

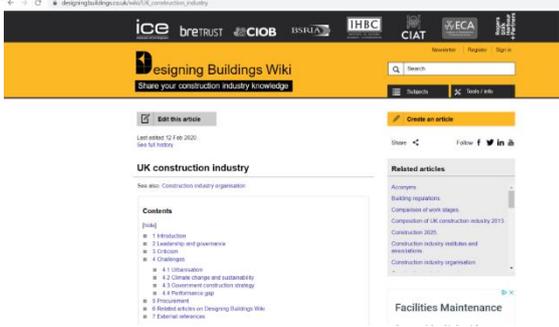
- Health and Safety
- Sustainability
- Measurement
- Information and Data
- Building Technology
- Digital Technology

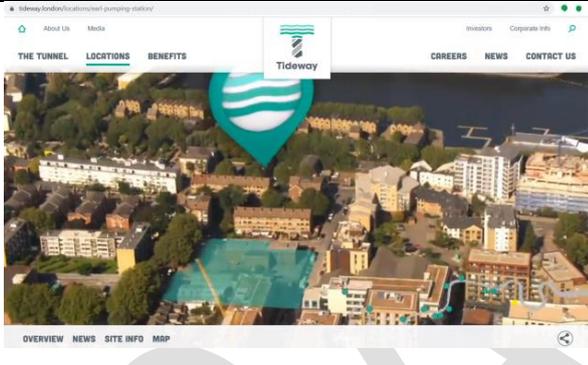
The links aim to show a selection of industries/employers that are high quality examples for the topics within the case study. Enabling your students to gain industry knowledge that is cutting edge and innovative, and supporting you in bringing the topic to life' within a classroom environment.

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.

Pearson is not responsible for the content of any external internet sites. It is essential that you to preview each website before using it in class so as to ensure that the URL is still accurate, relevant and appropriate. We'd also suggest that you bookmark useful websites and consider enabling students to access them through the school/college intranet.

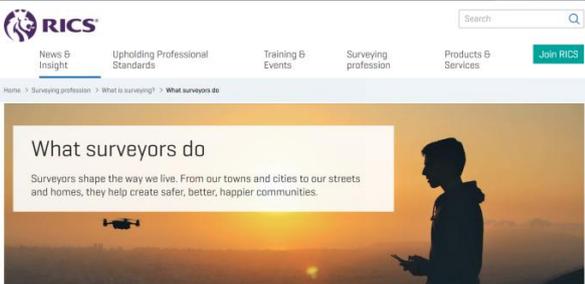
Title:	Thames Tideway
Description	This is the main website of the Thames Tideway project. There are links to planning documents for all the sites as well as detailed technical information about the project.
Supports	Thames Tideway Case Study Topic: CBE Industry Embedded Topic: Sustainability
Cost	Free
Format	website
Screenshot	
Link	https://www.tideway.london/

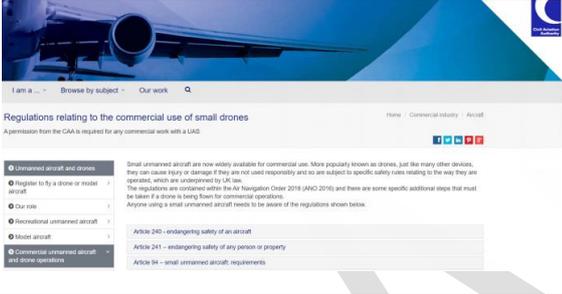
Title:	Introduction to the UK Construction industry
Description	This is an online resource that has materials that covers a wide range of the content for the qualification and Topic 'Construction and the Built Environment Industry'.
Supports	Thames Tideway Case Study Topic: CBE Industry Embedded Topic: Building Technology
Cost	Free
Format	website
Screenshot	

Link	https://www.designingbuildings.co.uk/wiki/UK_construction_industry
Title:	Earl Pumping Station
Description	This is the main website of the Thames Tideway project. There are links to planning documents for all the sites as well as detailed technical information about the project.
Supports	Thames Tideway Case Study Topic: CBE Industry Embedded Topic: Sustainability
Cost	Free
Format	website
Screenshot	
Link	https://www.tideway.london/locations/earl-pumping-station/

Title	British Geographical Survey Borehole Reports
Description	An online resource that contains scans of borehole reports and trial pits throughout the UK. Also has information about ground contamination and other earth sciences.
Supports	Thames Tideway Case Study Topic: Construction Science and Design Embedded Topic: Sustainability
Cost	Free
Format	Website
Screenshot	

Link	https://www.bgs.ac.uk/data/mapViewers/home.html
Title	Historic land use maps
Description	Online maps from all over the UK dating back to the 1800s for historic land use investigations to be completed.
Supports	Thames Tideway Case Study Topic: Construction Science and Design Embedded Topic: information and Data
Cost	Free
Format	Website
Screenshot	
Link	https://www.old-maps.co.uk/#/

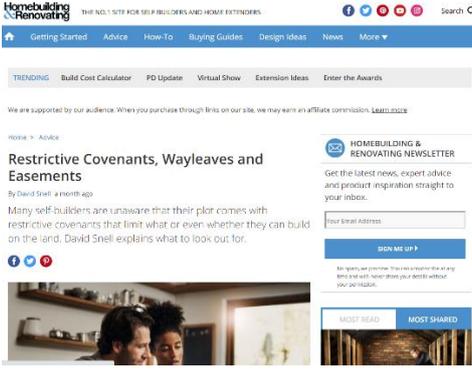
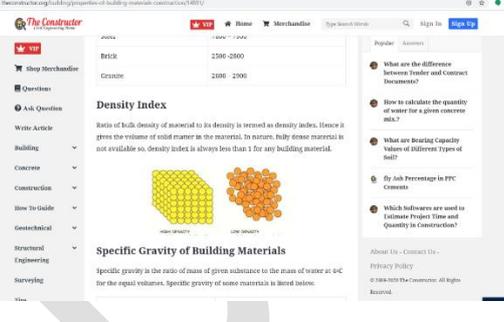
Title	RICS - what surveyors do
Description	Royal Institute of Chartered Surveyors article that covers the roles and responsibilities of surveyors.
Supports	Thames Tideway Case Study Topic: CBE, Project Management Embedded Topic: Information and Data, Digital Technology
Cost	Free
Format	Website
Screenshot	

Link	https://www.rics.org/uk/surveying-profession/what-is-surveying/what-surveyors-do/
Title	Regulations relating to the commercial use of small drones
Description	CAA regulations for the use of small drones for commercial use, which includes surveying. Details of where drones can be used and from whom permission is needed.
Supports	Thames Tideway Case Study Topic: Design, Law Embedded Topic: Information and Data, Digital Technology
Cost	Free
Format	Website
Screenshot	
Link	https://www.caa.co.uk/Commercial-industry/Aircraft/Unmanned-aircraft/Small-drones/Regulations-relating-to-the-commercial-use-of-small-drones/

Title	The Building Regulations 2010
Description	This resource consists of the Building Regulations 2010 as drafted by the UK Government.
Supports	Thames Tideway Case Study Topic: Law Embedded Topic: Building Technology
Cost	Free
Format	UK Legislation online

Screenshot	
Link	http://www.legislation.gov.uk/ukpga/2010/15/contents
Title:	Equality Act 2010
Description	Online version of the current legislation.
Supports	Thames Tideway Case Study Topic: Design, Law Embedded Topic: Building Technology
Cost	Free
Format	Website
Screenshot	
Link	http://www.legislation.gov.uk/ukpga/2010/15/contents

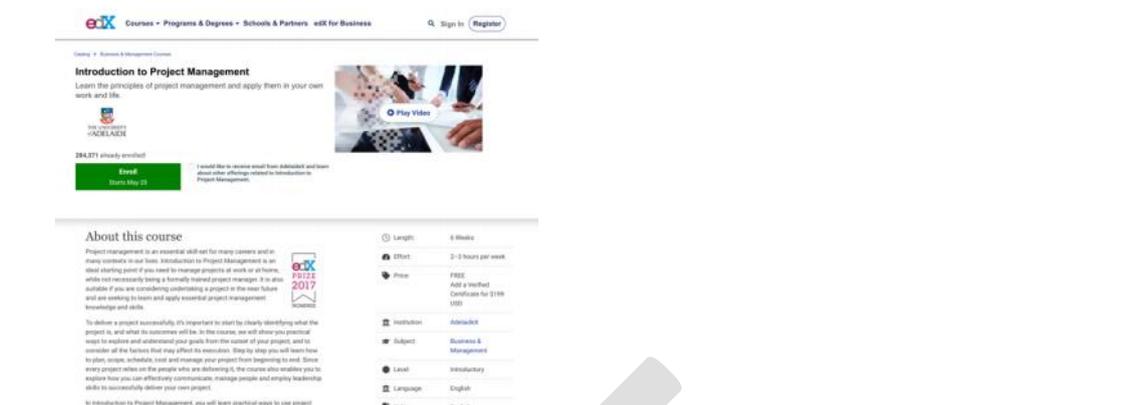
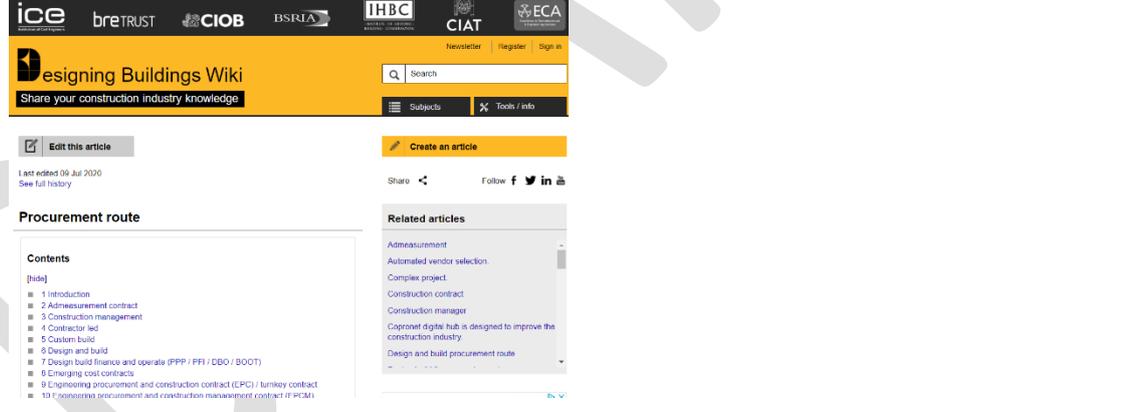
Title	Restrictive Covenants, Wayleaves and Easements
Description	Online article explaining the implications of covenants, wayleaves and easements for the design and construction of properties.
Supports	Thames Tideway Case Study Topic: Design, Law
Cost	Free
Format	website

<p>Screenshot</p>	
<p>Link</p>	<p>https://www.homebuilding.co.uk/advice/restrictive-covenants-wayleaves-and-easements</p>
<p>Title:</p>	<p>The Constructor - Properties of Building Materials</p>
<p>Description</p>	<p>A general introduction to material properties and how these apply to construction materials. The page is divided into sections for different types of property and provides examples of these in construction contexts.</p>
<p>Supports</p>	<p>Thames Tideway Case Study Topic: Design, Science Embedded Topic: Sustainability</p>
<p>Cost</p>	<p>Free</p>
<p>Format</p>	<p>Website</p>
<p>Screenshot</p>	
<p>Link</p>	<p>https://theconstructor.org/building/properties-of-building-materials-construction/14891/</p>

<p>Title:</p>	<p>Construction materials</p>
<p>Description</p>	<p>A general introduction to materials that are used in construction projects, with links to other pages related to properties and applications</p>
<p>Supports</p>	<p>Thames Tideway Case Study Topic: Design, Construction Science Embedded Topic: Sustainability, Building Technology</p>

Cost	Free
Format	Website
Screenshot	
Link	https://www.designingbuildings.co.uk/wiki/Construction_materials
Title:	Life Cycle Assessment
Description	A website for a provider of building life cycle assessment software. The site also contains useful guidance and resources of life cycle assessment.
Supports	Thames Tideway Case Study Topic: Design
Cost	Free
Format	LCA Software with supporting guidance. Note: The link provided is to the website for the supporting guidance, not the software.
Screenshot	
Link	https://www.oneclicklca.com/life-cycle-assessment-explained/

Title	Introduction to Project Management
Description	A self-study online course introducing project management principles to plan, scope, schedule, cost and manage a project from beginning to end.
Supports	Thames Tideway Case Study Topic: Project Management
Cost	Free
Format	Online Training Course

<p>Screenshot</p>	 <p>The screenshot shows the EdX course page for 'Introduction to Project Management'. The page includes the course title, a brief description, a 'Play Videos' button, and a list of course details such as length (6 weeks), effort (2-3 hours per week), price (FREE), and subject (Business & Management). The course is offered by the University of Bath and is available for free.</p>
<p>Link</p>	<p>https://www.edx.org/course/introduction-to-project-management</p>
<p>Title:</p>	<p>Procurement routes</p>
<p>Description</p>	<p>A website that has a range of accessible wiki articles related to different procurement routes used in construction</p>
<p>Supports</p>	<p>Thames Tideway Case Study Topic: CBE industry, commercial and business, Law</p>
<p>Cost</p>	<p>Free</p>
<p>Format</p>	<p>website</p>
<p>Screenshot</p>	 <p>The screenshot shows the Designing Buildings Wiki page for 'Procurement route'. The page features a navigation bar with logos for various construction organizations, a search bar, and a list of contents. The 'Contents' list includes: 1 Introduction, 2 Admeasurement contract, 3 Construction management, 4 Contractor led, 5 Custom build, 6 Design and build, 7 Design build finance and operate (PFI / PFI / DBO / BOOT), 8 Emerging cost contracts, 9 Engineering procurement and construction contract (EPC) turnkey contract, and 10 Engineering procurement and construction management contract (EPCM).</p>
<p>Link</p>	<p>https://www.designingbuildings.co.uk/wiki/Procurement_route</p>