**2.1.1 The life cycle of buildings and structures**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Stages in the life-cycle of buildings and structures:  • design  • construction  • operation  • demolition/repurposing. |  |  |  |  |  |

**2.1.2 Low-rise and high-rise structures in the built environment**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Types of structures |  |  |  |  |  |
| Features of these structures |  |  |  |  |  |
| Uses and purposes of these structures |  |  |  |  |  |

**2.1.3 Professional and technical careers and roles in the built environment**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Architecture |  |  |  |  |  |
| Civil and structural engineering |  |  |  |  |  |
| Surveying |  |  |  |  |  |
| Site and project management |  |  |  |  |  |
| Quantity surveying |  |  |  |  |  |
| Town planning |  |  |  |  |  |
| Building services engineering |  |  |  |  |  |

**2.1.4 Organisations in the built environment**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Small and medium sized enterprises |  |  |  |  |  |
| Nationwide and global companies |  |  |  |  |  |
| Contracting and sub-contracting |  |  |  |  |  |
| Tendering processes and procurement exercises, and relevant rules and legislation, including the Modern Slavery Act 2015 |  |  |  |  |  |
| Local authority planning departments |  |  |  |  |  |
| Trade and industry training bodies |  |  |  |  |  |
| Trade registration and development schemes |  |  |  |  |  |

**2.1.5 Structures of low-rise domestic and commercial buildings**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| The structural forms created both on-site and off-site |  |  |  |  |  |
| The advantages and disadvantages of different structure types |  |  |  |  |  |
| Traditional (Pre 1919) structure types |  |  |  |  |  |
| Modular construction |  |  |  |  |  |

**2.1.6 Designing and constructing substructures (in contemporary practice)**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Methods for investigating subsoil |  |  |  |  |  |
| Producing information for foundation design |  |  |  |  |  |
| Methods for improving subsoil |  |  |  |  |  |
| The types of building foundation |  |  |  |  |  |
| Principles for designing foundations |  |  |  |  |  |
| Basement excavations, retaining walls and damp-proof courses |  |  |  |  |  |

**2.1.7 Designing and constructing superstructures (in contemporary practice)**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Types of ground floor construction |  |  |  |  |  |
| Types of intermediate floor  construction |  |  |  |  |  |
| Designing stairs and open spaces |  |  |  |  |  |
| Types of internal wall and partitioning |  |  |  |  |  |
| External walls and cladding |  |  |  |  |  |
| Designing openings in walls |  |  |  |  |  |
| Finishing floors and ceilings |  |  |  |  |  |

**2.1.8 Designing the services requirements for buildings (in contemporary**

**practice)**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Services requirements for different types of buildings |  |  |  |  |  |
| The design of services at different  points in the construction process |  |  |  |  |  |

**2.1.9 Change of use**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Altering, refurbishing and extending  existing buildings |  |  |  |  |  |
| Issues of compatibility and  using consistent materials |  |  |  |  |  |
| Pre-1919 buildings and structures |  |  |  |  |  |

**2.1.10 External works**

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| **Content** | **Covered in class** | **Not sure** | **Getting there** | **Got it 😊** | **Links to** |
| Foul and surface water drainage |  |  |  |  |  |
| Sustainable urban drainage systems |  |  |  |  |  |
| Installation/distribution of utility  services |  |  |  |  |  |
| Methods for creating footpaths and roads |  |  |  |  |  |