

## Digital Masterclasses

### **Lesson Overview Template:**

- The purpose of the template is to provide a uniformed approach to the supporting document that sits alongside each tech' skill masterclass
- Provide the viewers with a clear understanding of what the demonstration entails and the relevant 'takeaways' that are required to put this skill into practise.

**Introduction to video:** What is it you are demonstrating?

How to assign information in the form of Uniclass 2015 to a BIM project model.

**Purpose:** What are you trying to achieve?

Understanding of the different information table types and when to use them during the design phase of a project.

**Benefits:** What are the benefits to the viewers in learning this technique / skill?

Building Information Modelling is primarily a process driven approach throughout the entire project from conception and design to building use and even to deconstruction. The information within the BIM model is at the very heart of that process and is fundamental that the correct information is entered at the correct stage and in the correct manner.

**Excellence:** How does this relate to WorldSkills standards of excellence – What would excellence look like using this skill / technique?

WSSS standards contain marking criteria pertaining to the creation of a Building Information Model and five of the seven scored modules contain references to the adding or manipulation of element information within project models as well as on the Common Data Environment. Excellence can be measured when the correct Uniclass2015 code is added from the correct tables and to the correct level of information needed.

**Equipment tools & materials:** What do the viewers need to carry out this activity?

A desk with a computer chair. Laptop or desktop PC and monitor with internet connectivity and Autodesk Revit installed.

**PPE/Health & Safety:** How do they carry this activity out safely?

Ensure viewers limit their time sat at a computer and take regular breaks throughout the session, this may best be achieved by standing or taking a short walk every hour or so. Only use computer chairs that have arm rests and if on carpeted floor 5 castor wheels to the base. Chairs should be height adjustable and adjusted to fit the workstation. Monitors / screens should be at eye level and between 51 – 70cm from the viewer.

**Top Tips:** Easy to digest tips and tricks for the viewers to digest

Get use to the information tables and when you would use each:

- Pr, Products: Things you buy (Bricks, Mortar, wall ties, Plywood, Timber, Insulation, Plasterboard)
- Ss, Systems: An element / part of an element made of products (Brickwork, studwork)
- EF, Elements/functions: Main building components (Walls, Windows, Doors etc)
- SL, Spaces/locations: Place where activities happen (Living Room, Hall etc)
- Ac, Activities: Exercising, Sleeping, Eating, Working etc. (Cleaning and Cooking)
- En, Entities: Individual assets (Educational Building, Offices, Houses etc)
- Co, Complexes: Group of Assets / Asset and grounds (All buildings and the grounds, New College Lanarkshire campus,)