



Watch the video  
Describe & sketch what you see...



Extension to Semi-Detached House – Design Challenge

- 1.3  
2.6  
2.18  
3.14  
2.11
- evaluate features that contribute to design excellence in housing design.  
investigate and research tasks, design challenges and briefs.  
use a variety of presentation techniques and technologies to communicate ideas, thinking, and technical information to complete tasks.  
demonstrate an understanding of the relationship between the built environment and wellness.  
execute a range of craft skills, processes and techniques to a required level of proficiency.

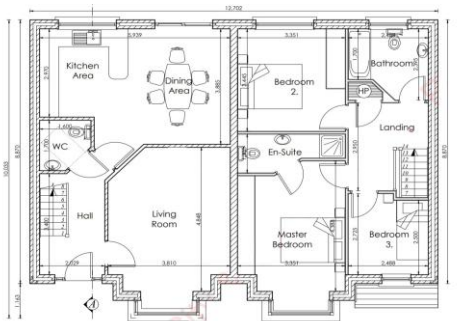
Design Brief



FRONT ELEVATION



REAR ELEVATION



GROUND FLOOR FIRST FLOOR

Design Brief

The drawings show the front elevation, rear elevation, and plans of a semi-detached house situated in an estate in Arraview, Newcastle West, Limerick. The owners wish to put on a single-storey extension to the house to increase living space for their growing family.

Design an extension that creates a modern open-plan kitchen/dining and living area with the needs of a young family in mind. Throughout your design process, consider the following design principles of a domestic dwelling; orientation, function, form, and proportion.

Manufacture a 1:50 scale model of your design.

Design Principles



2.
- Research the four design principles below. Using annotated sketches, explain their importance in housing design.



Oide

Design Principles of a Domestic Dwelling

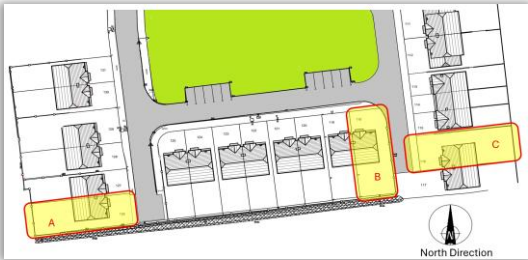
Building Form

Function

Orientation



1.
- Sketch your given site layout, determine north, and sketch the sun path for your chosen site A, B, or C.



QR Code  
Suncalc

Proportion

Orientation

3. Use the spaces below to explore some design ideas for your proposed extension.

Safe ideas

Ambitious ideas

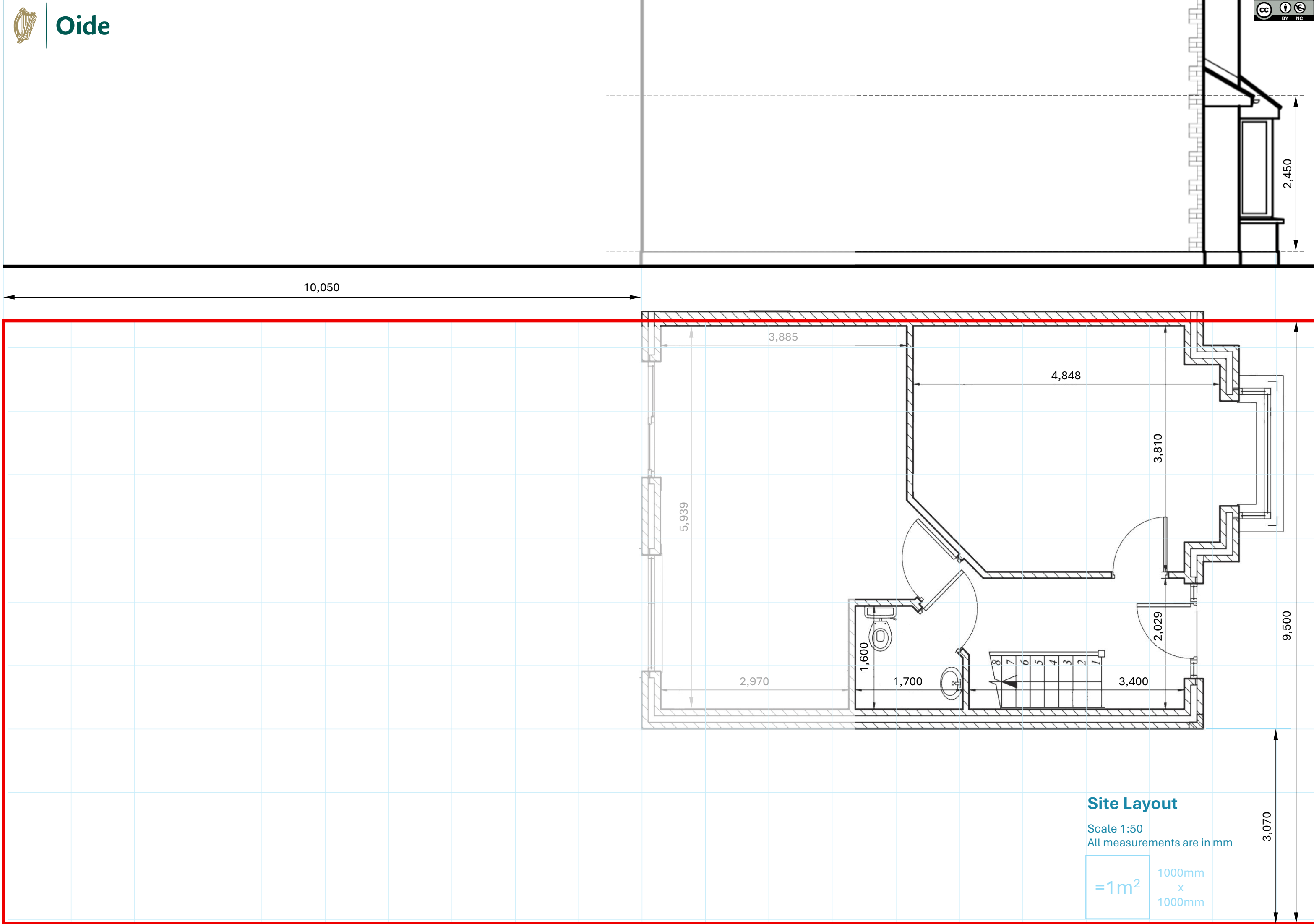
Unusual ideas

4. Sketch an external view of your proposed extension.



5. Evaluate your design solutions with reference to the design principles.







Oide

Tacú leis an bhFoghlaim  
Ghairmiúil i measc Ceannairí  
Scoile agus Múinteoirí

Supporting the Professional  
Learning of School Leaders  
and Teachers

Unit of Learning Title:

Class group:

Prior Learning:

Students learn about:

Students should be able to:

Focus of Learning:

Learning Experiences

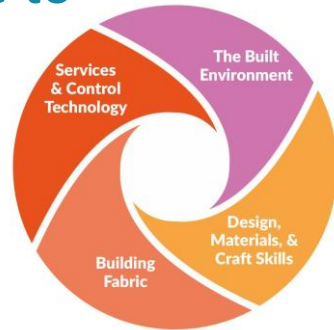
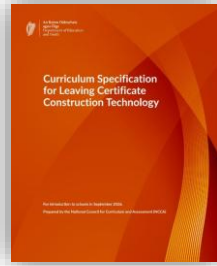
Key Learning Progression  
Knowledge, skills, values, and dispositions

Evidence of Learning  
How can the **Key learning** be assessed?

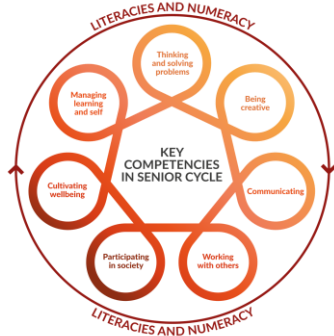
Teacher Reflections

## Learning Outcomes

- Students learn about
- Students should be able to
- Action verb



## Key competencies being engaged with



## Reflection

- What worked well?
- What can be improved?
- How will it be improved?



## Access for all learners

- What supports (AEN, EAL, AT) may be needed?
- How can I offer choice or relevance to students?



## Prior knowledge

JC/SC



# Unit of Learning Considerations



## Evidence of learning and assessment

- How can students demonstrate their learning?
- Does assessment align action verbs?
- What formative assessment strategies will I use?



## Key learning progression

- Knowledge, skills, values, and dispositions



## Learner experiences and their purpose

- Pedagogies
- Resources and their purpose
- Aligns with the action verbs and learning outcomes

