# Unit 301: Understanding construction practice in Wales.

# Learning Outcomes 3: Know the changes in construction pressures and materials over time.

**Learner Task Criteria 3.1**

This section considers how pre 1919 construction resources were sourced locally and transport constraints throughout Wales and Britain.

These tasks will need learners to consider the following when researching and completing the following questions on how materials were transported pre 1919 and how different areas produced different types of materials: -

1. What were the barriers/problems associated with using materials not local to work sites in this period.
2. Explain what binders and mortars used pre-1919 such as the different types of lime used such as quick lime and hot lime were used for and how it was produced and slaked.
3. What are the basic qualities and uses of the following: mortars, aggregates, binders, internal and external functional and decorative finishes, stone, slate, timber, and earth.
4. What is meant by the permeable nature of lime and earth mortars?

Suggested website links:

[Understanding Traditional (pre-1919) and Historic Buildings for Construction and Built Environment Courses | Cadw (gov.wales)](https://cadw.gov.wales/learn/education/teaching-resources/understanding-traditional-pre-1919-and-historic-buildings)

[Search our Knowledgebase | spab.org.uk](https://www.spab.org.uk/advice/search-our-knowledgebase?category_type=139&keywords=) refer to chapter 4 of the above link.

[tywileaflet1-eng-final.pdf (tywicentre.org.uk)](https://www.tywicentre.org.uk/media/1050/tywileaflet1-eng-final.pdf) understanding traditional Welsh buildings.

<https://en.wikipedia.org/wiki/Lime_mortar>