

Leawood Pumphouse 3D sketching - Activity Guide

Purpose: To learn how to use simple techniques to create a '3D' sketch of Leawood Pumphouse.

Time: Approximately 30 minutes

Location: On the Cromford Canal tow path looking towards Leawood Pumphouse

Resources: Clip board, pencil and plain paper for each pupil, laminated 'Sketching Leawood Pumphouse' sheet 1 between 2/3

Teaching notes:

Using the easy step by step guide to Sketch Leawood Pumphouse is a way of breaking down a complex task into achievable actions.

Position the students 1 or 2 abreast along the towpath where it is slightly wider, looking up toward Leawood Pumphouse.

Key questions to discuss before they start to sketch:

- Which way around should they orientate their paper?
- Thinking of the building as 2D shapes, what shapes can they see?
- If they aim to fill their page, roughly how much space does the chimney, main building or side building need to make sure its in proportion and fits on the page?
- Can they see any sides to the building? If so, these need to be included as this gives the sketch depth and adds perspective.
- Are they going to frame it in its landscape – what else might they include around it?
- Do they need a title and date for the sketch?
- Do they want to label the different parts of the building, what they are used for?
- If they have no rubber what should they do – sketch lightly first, then go over any lines with more pressure, not worry too much about any 'mistakes' they can be gone over, changed or ignored!

Go through the step by step guide on how to sketch the pumphouse as a demonstration first, then hand out the laminated guides to anyone who wants one.

Allow the students plenty of time to complete their sketch. If any finish quickly perhaps they could sketch the pumphouse from another angle, from the side or from the back. Or they could do a 'zoomed in' sketch showing one part in more detail.

Sketching Leawood Pumphouse

Leawood Pumphouse was built in 1849 to pump water from the River Derwent into Cromford Canal. Follow this step by step guide to sketch this amazing building.

1. Draw out the basic shape of the pumphouse as rectangles and triangles.



2. Draw the sides of the building to give a 3D perspective and add details to the chimney.



3. Draw the windows, doors and stone details.



4. Shade in the areas that are shadow and add brick and windowpane details, you can add in trees and anything else you can see at this stage.

