

Design Intent

The material strategy for the pavilion classroom is centred on creating a calm, grounded and tactile learning environment that supports neurodiverse users while remaining robust, low maintenance and contextually appropriate within the woodland setting. The palette prioritises natural materials, soft visual contrast and controlled sensory engagement. Materials are selected not only for appearance, but for touch, acoustics and behavioural comfort.

Roof and Landscape Integration

The pavilion will incorporate an extensive biodiverse green roof to visually embed the building within its landscape and reduce perceived building mass. The green roof provides ecological value, seasonal variation and improved acoustic performance. Roof edges will be finished with a warm-toned metal trim to frame the planted surface while maintaining a simple horizontal profile. Gravel margins will be provided around rooflights and abutments to support maintenance and fire safety requirements.

Primary External Envelope

Vertical timber cladding forms the dominant external material, reinforcing the pavilion’s calm and natural character. A fine sawn larch or thermally modified softwood is proposed, allowing the building to weather naturally over time. The consistent vertical rhythm softens scale and provides a tactile yet visually quiet backdrop against the surrounding trees.

Sensory Insert Elements

Targeted areas of increased texture are introduced at entrances and interaction points to support wayfinding and sensory engagement. These include charred timber panels, cork cladding or rope mesh play surfaces integrated within sheltered zones beneath the canopy (between and fixed to structural columns). These elements are used selectively to avoid visual overstimulation, ensuring the overall building remains calm and legible.

Structure and Touch Points

Exposed timber posts and soffits are proposed to create warmth at human scale and reduce the institutional feel often associated with education buildings. Hardwax oil finishes are recommended to provide durability while maintaining a natural tactile quality. Seating edges and hand contact areas should favour timber or cork finishes over metal to improve thermal comfort.

Colour and Identity

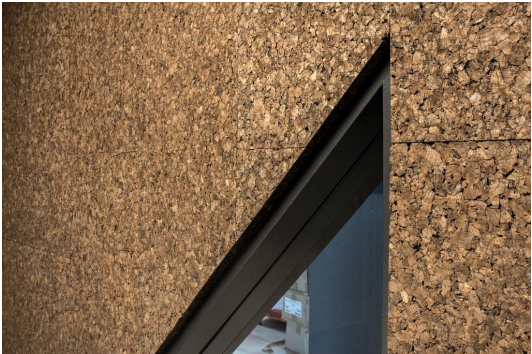
Colour is used sparingly and purposefully, primarily at doors and thresholds to support orientation and identity without overwhelming the façade. The broader palette relies on natural timber tones, soft greens from planting and muted finishes to maintain visual calm.

Internal Continuity

Where possible, materials should transition internally to reinforce a consistent sensory experience. Timber acoustic linings, cork surfaces and mineral-based paints are encouraged to maintain warmth, reduce reverberation and support wellbeing.

Overall Approach

The pavilion is conceived as a landscape-led learning environment rather than a conventional classroom building. The material palette balances durability with sensory richness, ensuring the architecture feels quiet, grounded and welcoming while supporting long-term educational use.



The copyright of this drawing is vested with JTDS Architecture and must not be copied or reproduced without the consent of the company.					Client SENAD Group	Project Pegasus School	Drawing Title Material Palette	Drawing Status PLANNING	Client SENAD Group	Project Pegasus School	Drawing Title Material Palette	Drawing Status PLANNING	JTDS					
													Shrewsbury Studio Winterberry Cottage, Gravels Bank, Minsterley, Shrewsbury, SY5 0HG 01743 290941 07947 348454 jtdsarchitecture.com					
													Drawing No. 25011-JTD-AA-XX-DR-A-0310				Revision P02	
	P02	Planning Issue	10/03/26	JHT										Drawn JHT	Checked	Paper Size A3	Scale	Date 02/26/26
	P01	First Issue	26/02/25	JHT														
	Rev.	Description	Date	Drw.	Chk.													