Draw a Vine: Alternating Leaves and Tendrils on a Stem

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Draw a vine with five nodes on a gentle S-curve. Use x-height = 1 unit, node interval = 3 units, leaf length = 2 units, leaf width = 1.2 units, petiole = 0.3 units, and one tendril at alternate internodes. Alternate leaf sides L, R, L, R, L.

Answer: Stem guide is an S-curve. Nodes are marked at 0, 3, 6, 9, and 12 units along the guide. Leaves attach at nodes 1 through 5 on sides L, R, L, R, L. Each petiole is 0.3 units and each blade is 2 units long and 1.2 units wide. Tendrils are placed between nodes 1-2, 3-4, and after node 5, each a thin two-loop coil. No tendril crosses a node. Guide lines are erased and the stem is darkened first.