Draw a Simple Wave: Curl, Crest, and Foam Line

Original tasks 1, 2 / independent work

Task 1

Draw a wave on a blank page. Mark the forward direction to the left. Build the curl, add the crest, and finish with the foam line. Then describe how your curl opens relative to the arrow.

Task 2

A student draws a wave with a closed circular curl, a crest lower than the curl's center, and a solid foam outline on the crest. Identify the three mistakes and state one fix for each.

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Original tasks 3, 4 / independent work

Task 3

On a page, mark a forward direction to the right. Draw two waves side by side. In the first, use a hypothetical crest height of 30 mm above the baseline; in the second, use 20 mm. Keep the curl and foam line rules the same. Describe how the two crests differ and whether both are valid.

Task 4

Draw a wave with the forward direction to the right. Then draw a second version where only the foam line changes: use longer segments with wider gaps. Describe what stays the same and what changes, and state whether the second version is valid.