Charcoal Hand Drawing: Proportion and Knuckle Shading

Original tasks 1, 2 / independent work

Task 1

A hand box is 9 cm wide and 15 cm tall. The wrist line is 3 cm from the bottom, and the knuckle line is 9 cm from the bottom. Find the x-height. If the index finger extends 1.2 times the x-height above the knuckle line, what is its hypothetical length, and does it fit inside the box?

Task 2

You make a five-patch charcoal tonal strip. Patch 1 is lightest and patch 5 is darkest. You place patch 2 on knuckle ridges, patch 3 in dips, patch 4 on side planes, and patch 5 under knuckles. Describe one change that would increase contrast between ridges and dips, and one change that would reduce muddiness.

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Original tasks 3, 4 / independent work

Task 3

A hand box is 11 cm wide and 17 cm tall. The wrist line is 2 cm from the bottom. For this example, choose the knuckle line at two-thirds of the box height from the bottom. Find the knuckle-line height and the x-height. If the middle finger is 1.3 times the x-height above the knuckle line, does it fit?

Task 4

You draw a hand with a thumb-side palm width of 4 cm and a finger-side palm width of 5 cm at the palm base. The x-height is 6 cm. State whether the thumb side is narrower or wider, and describe one proportional check you would make before adding knuckle shading.