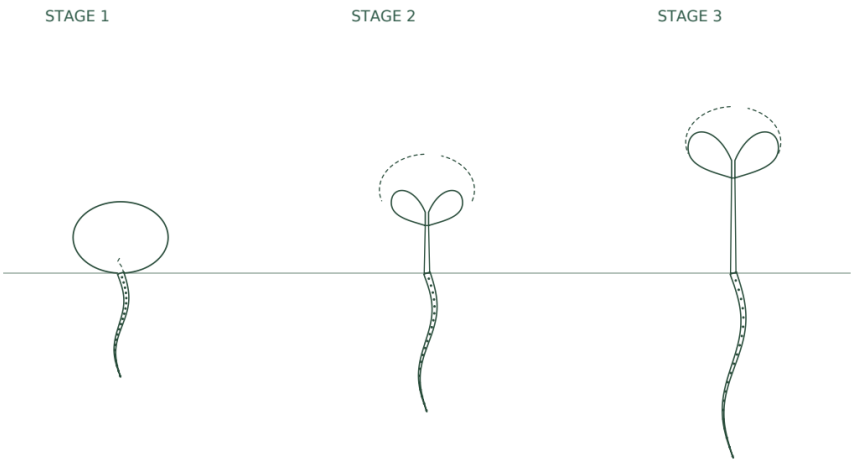
Draw a Bean Sprout: Three Growth Stages from Seed to Young Plant

Ordinary topic reference / separately checked pixels

Early bean stages / hypothetical cm dimensions print 1:2 / roots measured along dotted guide



Shared ground / root-shoot datum

STAGE 1	STAGE 2	STAGE 3
Root 4.5 cm	Root 6 cm	Root 8 cm
Seed 4 x 3 cm	Stem 2 cm	Stem 4 cm

The root is measured along its genuinely dotted curved center guide, not just its vertical drop. The visible stem rises from ground to the attached cotyledon node. Dashed partial coat cues stay around the seed leaves; they are not extra leaves or another seed. Only this selected early stage is illustrated, with no true leaves or flowers.

Draw a Bean Sprout: Three Growth Stages from Seed to Young Plant

Original worked example / unchanged complete key

Prompt: Draw a three-panel bean sprout sequence using the convention: solid outline, dashed seed-coat split, dotted center guide. In Stage 1, the seed is a rounded oval 3 cm tall and 4 cm wide, with a root 4.5 cm long. In Stage 2, the stem is 2 cm tall and the root is 6 cm long. In Stage 3, the stem is 4 cm tall and the root is 8 cm long. Label each stage.

Answer: Panel 1: draw a 4 cm by 3 cm seed-coat oval, its lower opening at the shared ground line, a dashed split and a tapering root with a 4.5 cm center-guide length below that line. Panel 2: raise the two cotyledons in the split coat, connect their common node to the ground line with a 2 cm stem, and continue a 6 cm root below the line. Panel 3: use a 4 cm tapered stem to the node, two slightly larger attached cotyledons and an 8 cm root. Any remaining split coat stays around the cotyledons. Label the three stages and retain solid outlines, dashed coat cues and genuinely dotted root guides.

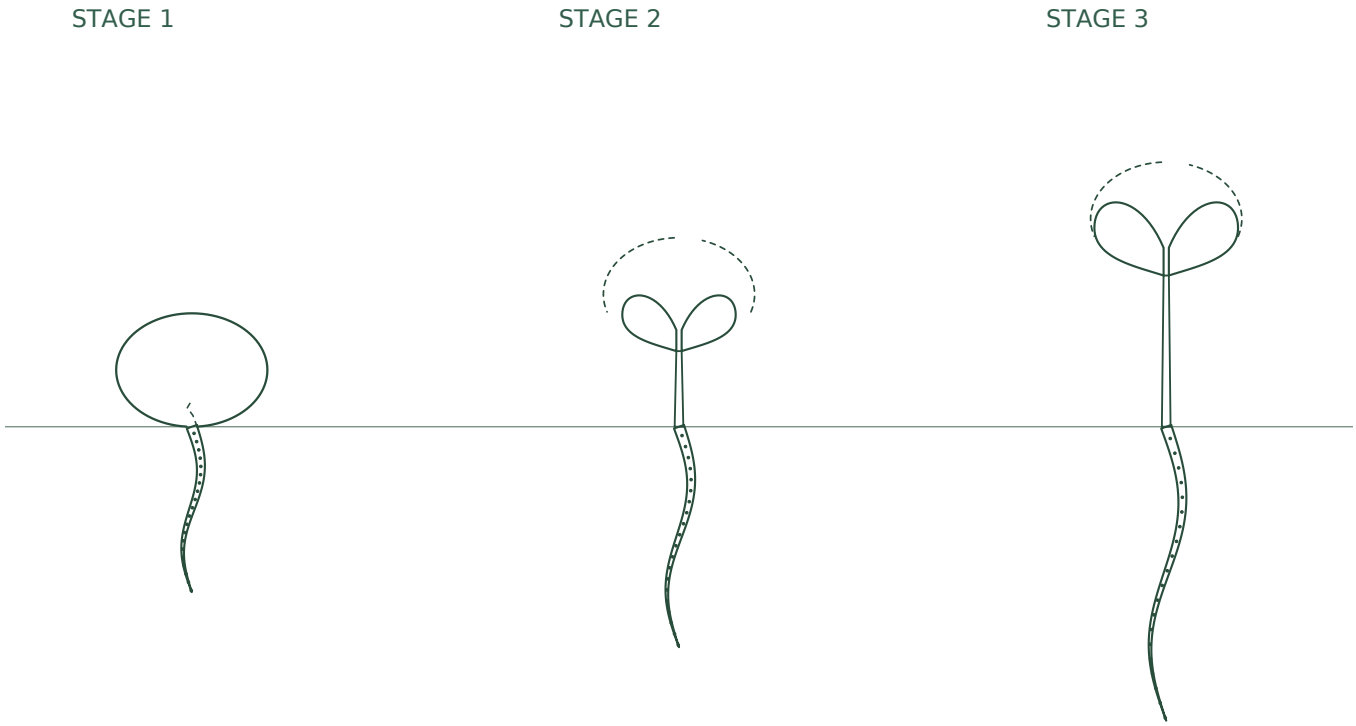
Reason: The stem and root increase in the chosen hypothetical sequence. The shared ground line fixes the root/shoot datum, cotyledons stay connected at a stem node, and the raised split coat is not duplicated as an extra seed. Stem heights are vertical distances to the cotyledon node; root lengths follow their center guides. These selected proportions and taper are drawing choices, not biological growth measurements.

Check: Measure each stem and root against the stated lengths, confirm the stem tapers from base to top, and verify that solid, dashed, and dotted lines are used consistently across all three panels.

Draw a Bean Sprout: Three Growth Stages from Seed to Young Plant

Worked reference / reference

Early bean stages / hypothetical cm dimensions print 1:2 / roots measured along dotted guide



Shared ground / root-shoot datum

STAGE 1	STAGE 2	STAGE 3
Root 4.5 cm	Root 6 cm	Root 8 cm
Seed 4 x 3 cm	Stem 2 cm	Stem 4 cm

The root is measured along its genuinely dotted curved center guide, not just its vertical drop. The visible stem rises from ground to the attached cotyledon node. Dashed partial coat cues stay around the seed leaves; they are not extra leaves or another seed. Only this selected early stage is illustrated, with no true leaves or flowers.