

Learn with MoMA



MoMA



Step 1 Look closely

Questions

1. What do you notice about the figure in the photograph on page 1?
2. This is a puppet used for a stop-motion animated film: If you look closely, can you tell which parts of the puppet are movable, and how might they move?
3. What do you notice about the pose and gesture of the puppet?

Step 2 Learn

These film stills (photographs taken on the set of a movie during production) are from Guillermo del Toro's upcoming film [Pinocchio](#). The photographs on page 2 show Guillermo del Toro on the production set and Pinocchio puppets in process. The film reimagines the classic tale of Pinocchio, a boy who is carved out of a tree and navigates the world around him as he tries to find out what it means to be a good son.

Directors Guillermo del Toro and Mark Gustafson adapted Carlo Collodi's 1883 book *The Adventures of Pinocchio* into a stop-motion animated feature film. Stop-motion animation is when puppets are positioned and photographed one film frame at a time. When these frames are arranged in order and played, it appears that the puppets are moving. The movie *Pinocchio* displays twenty-four frames per second to create the impression of fluid movement.



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Step 3 Create a two-dimensional stop-motion character

Materials: pencil, paper, scissors, a camera

1. Make a drawing of a character, and make sure to include a head, torso, arms, and legs.
2. When you finish your drawing, cut out your character so that you have the following separate parts: head, torso, arms, hands, legs, and feet.
3. Experiment with different ways you can make your character move by raising or lowering the arms and legs, tilting the head, bending the elbows or knees, etc.
4. When you are ready, arrange your character in a starting pose. Move the arms, legs, or head slightly to begin to show movement, taking a photo of each new pose.
5. Use a free app or software to arrange and play your photos in order. Or print them out and staple on one side to create a flipbook. You can watch the following video for reference (we used the app Stop Motion):
youtu.be/GSFy41JymBO.

Step 4 Share!

Play your stop-motion animation for a friend or family member. Or you can email it to us at MoMA:
schoolprograms@moma.org.

Images: Mackinnon & Saunders. Pinocchio Production. Puppets with rigging, 2019-2020. 3D printed resin, 3D printed steel, steel, silicone, fabric, paint. 4 x 3 x 9.5" (10.2 x 7.6 x 24.1 cm). Guillermo del Toro's Pinocchio, 2022. Image courtesy of Netflix. Guillermo del Toro on the set of Guillermo del Toro's Pinocchio, 2022. Image courtesy Jason Schmidt/Netflix. Mackinnon & Saunders. Inprogress Pinocchio Production Puppets at the ShadowMachine workshop. Guillermo del Toro's Pinocchio, 2022. Image courtesy of Netflix.