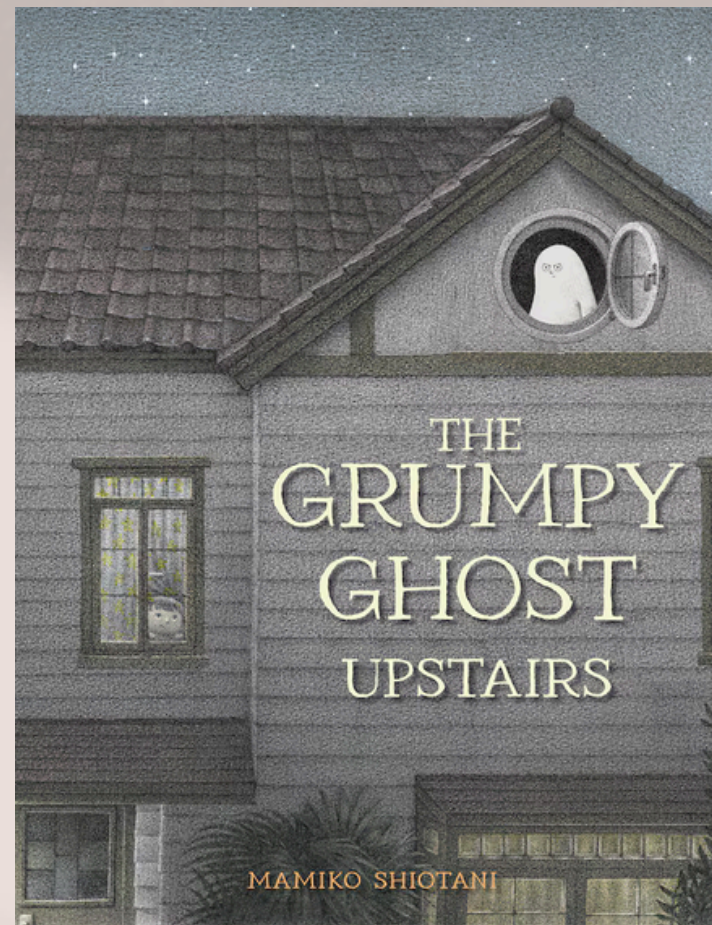


Exploring Shadows, Light, and Texture

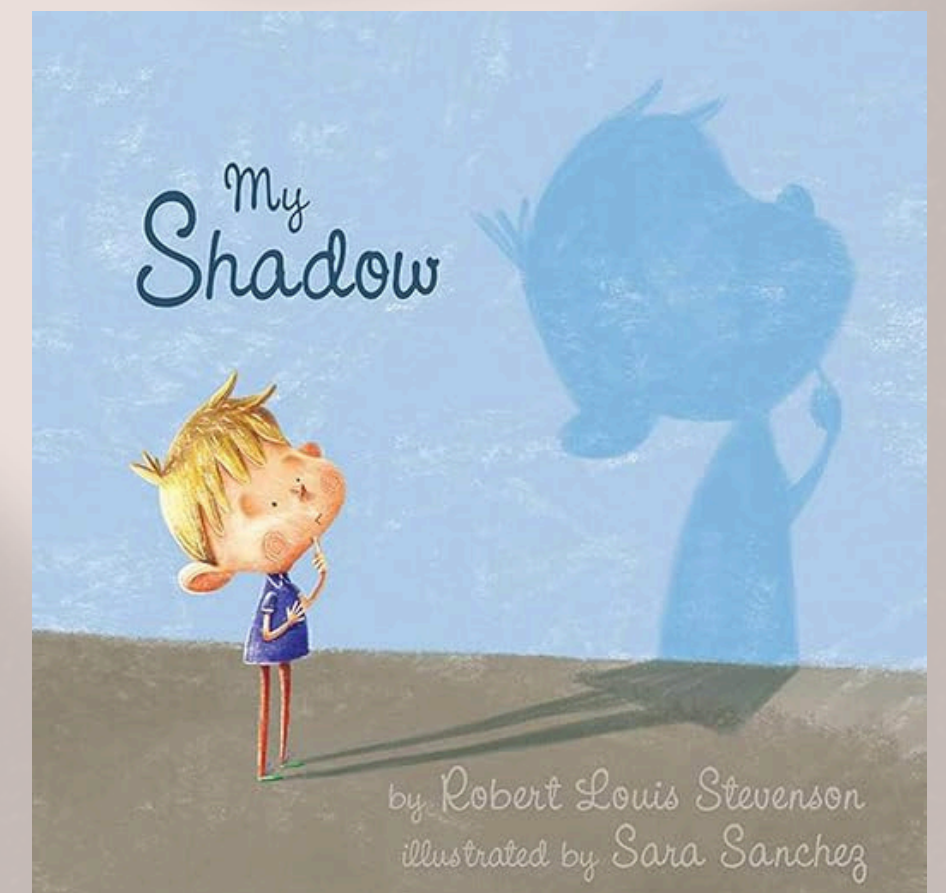
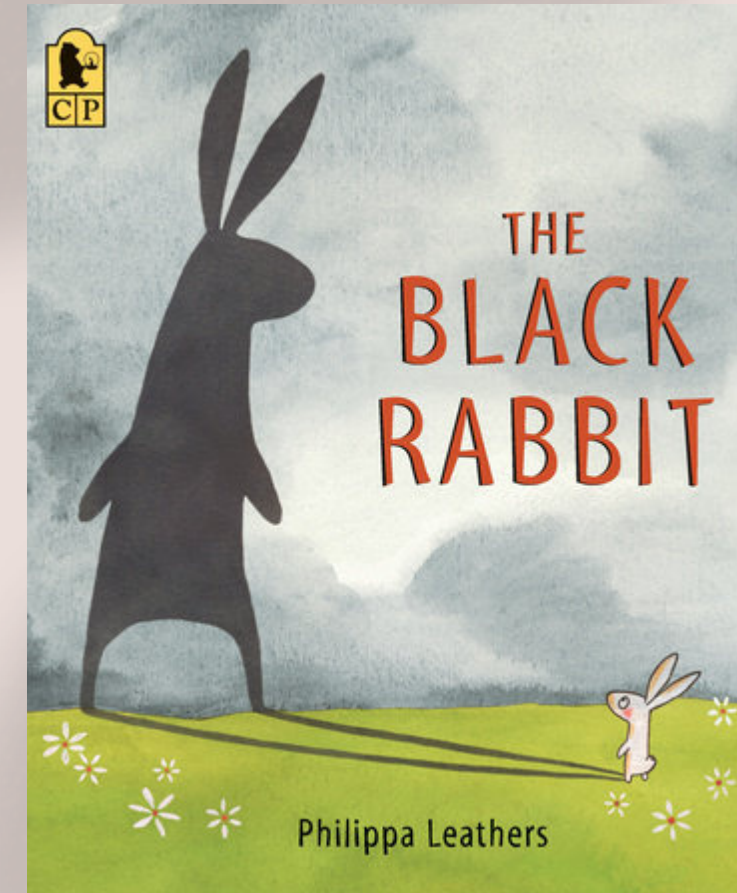
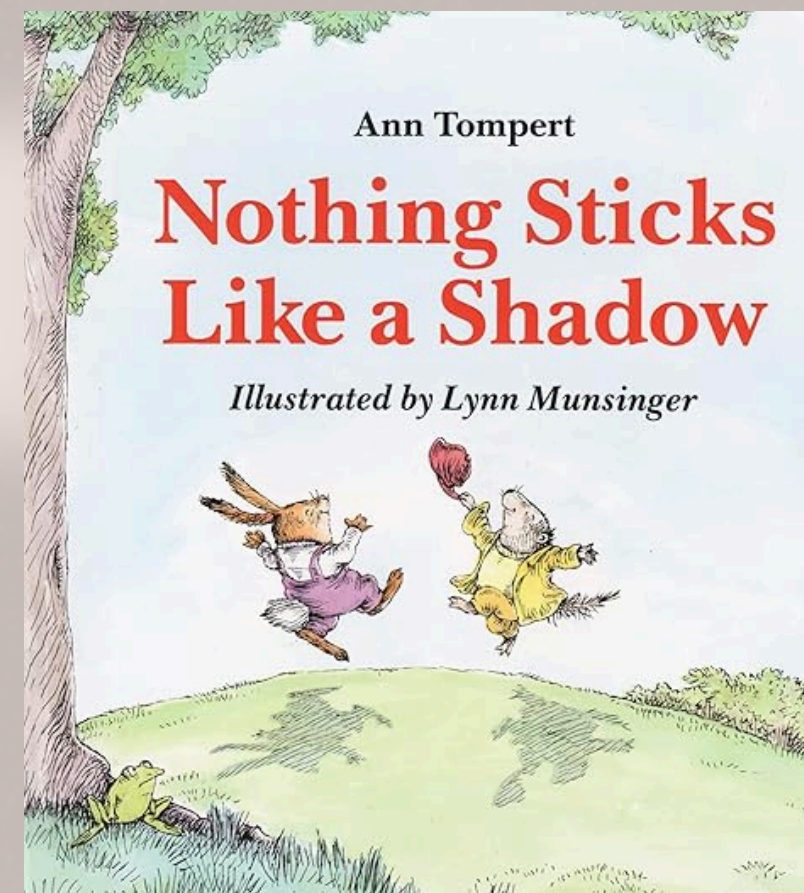
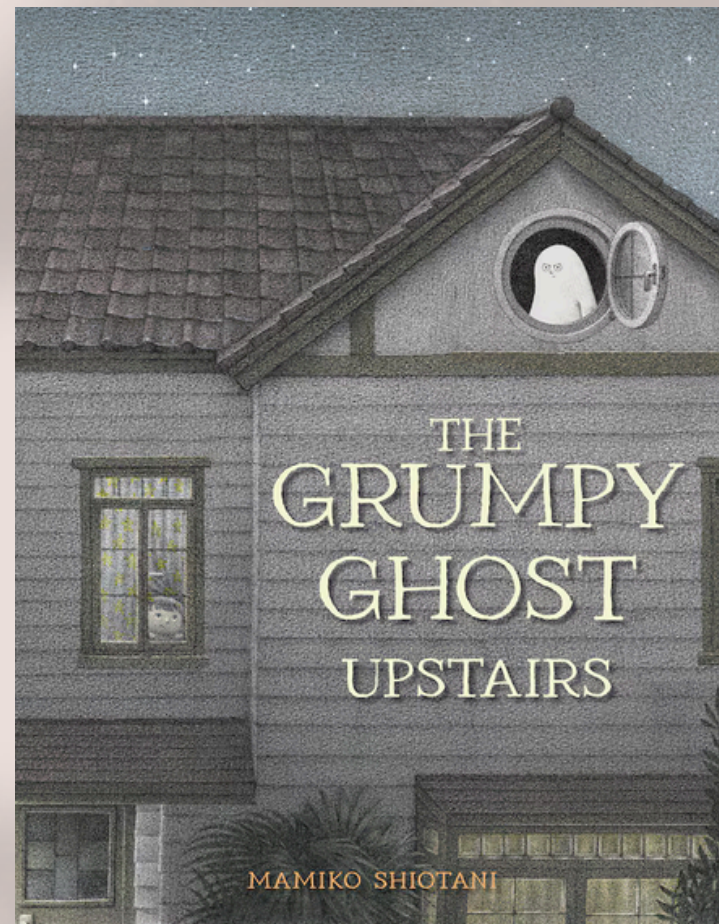


Extension Activities



Exploring Shadows, Light, and Texture: Inspired by The Grumpy Ghost

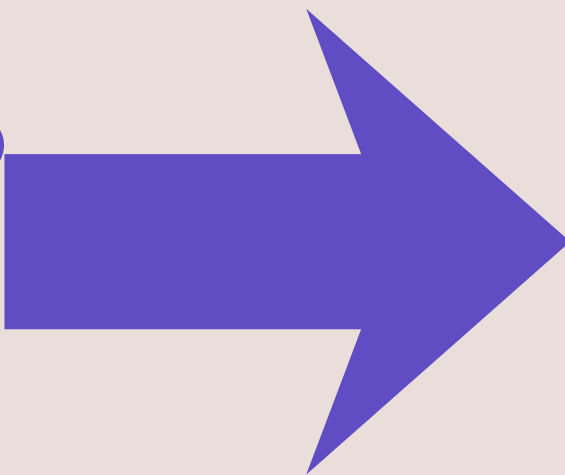
Other books to support inquiry or project on shadows and light.




Exploring Shadows

What do we know about shadows? What are shadows made of?

Exploring through read alouds and research with the large group or a small group of students who show an interest.



What do we know?	What do we wonder?	What did we/are we learning?

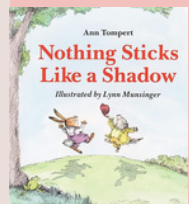
? I wonder 

Exploring Shadows and Light

Learning Opportunities To Spark Inquiry

Outdoor Play

During an outdoor play session, invite children to look for shadows. Educators can capture the images when possible in photos or video. Invite children to share their ideas and theories as they follow the shadows.



This picture book is a great addition to this learning opportunity.

Consider going outside on three occasions, one if possible should be a cloudy day. On a cloudy day watch and listen to see if children notice that there are no longer shadows. Discuss why they think this is, look at the videos or photos of previous days.

Document their ideas/theories.

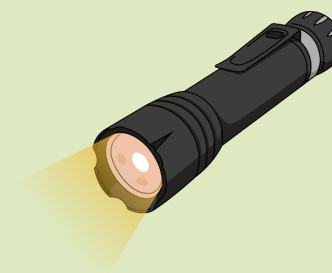
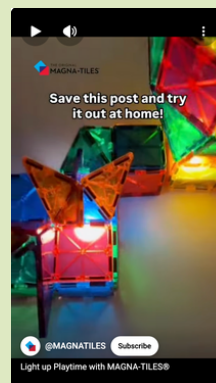
This activity is building background and new knowledge as they explore.

Playing With Light

During a play session, or gathering time (also consider a small group opportunity).

If a white board is not available or a white wall space, place a white sheet of paper/curtain on a wall space (or door). Using flashlights have children experiment with the lights and shadows.

You can also have children explore light with Magna Tiles. Using a flashlight and the coloured tiles. What do they notice? Invite children to mix different coloured tiles together. Look at the shadows that might be created and how the light changes.



Making Shadow Puppets



1. Create shadow puppets using our hands. YOU will need a flashlight or projector light. Invite children to make shadows with their bodies and hands.
2. Cut out different animals or shapes from black cardstock or construction paper. Use a flashlight on white background. Link to Activity
3. Retell the story of the Black Rabbit or The Grumpy Ghost Upstairs.



Shadow Puppets

Materials

Cardstock or heavy construction paper

Templates (a few provided in this package)

Skewers or wooden dowels

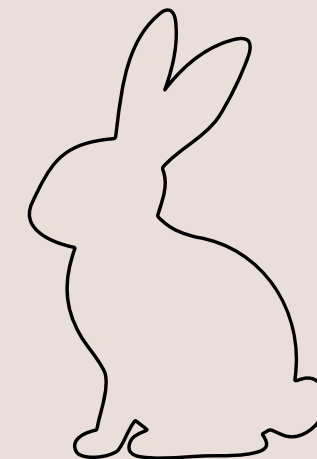
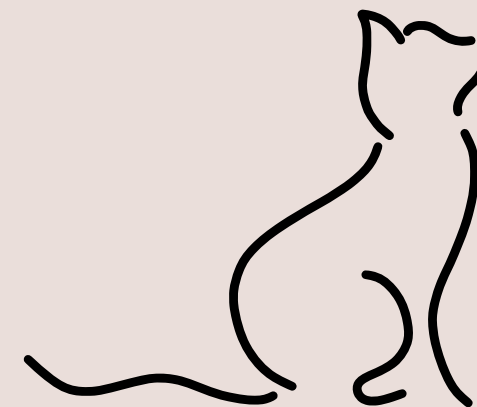
If you don't have black cardstock or paper, use cardborad and black paint

Scissors

Tape shipping or packaging tape

Instructions:

Trace/sketch the puppet shape (educators can provide templates to trace or cut out. Tape or glue the skewer to the puppet outline so children can hold them up. Have children move the puppets while flashing the light or placing projector light on the shadow puppets. Click on each image to access templates for printing.



Creating Your Own Shadow Theatre!

Shadow Theatre

Using an empty box (like amazon box) or a cereal box for a smaller theatre.

White paper

Shadow Puppets (slide 5)

Flashlight

Audience

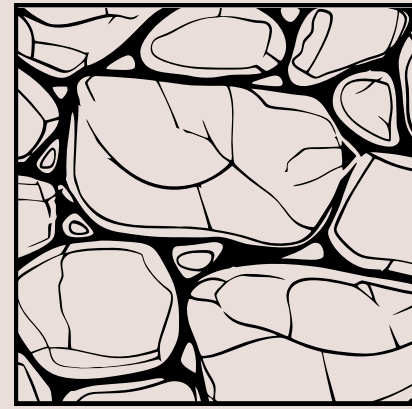
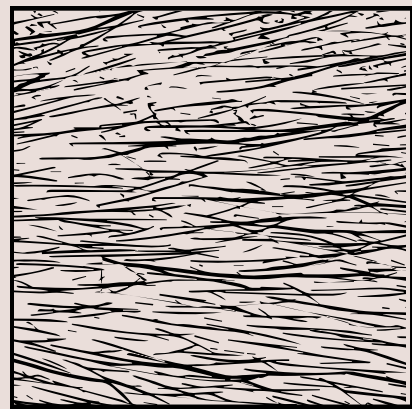
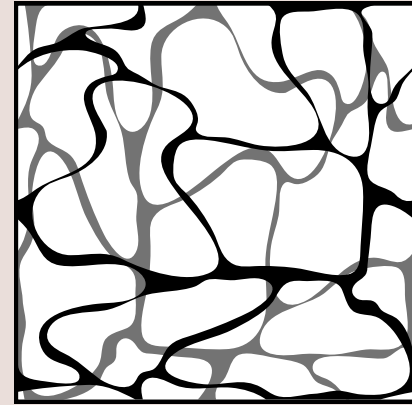
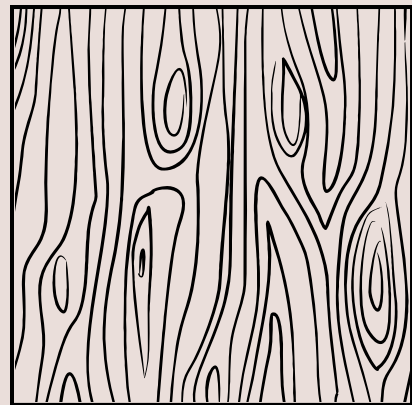
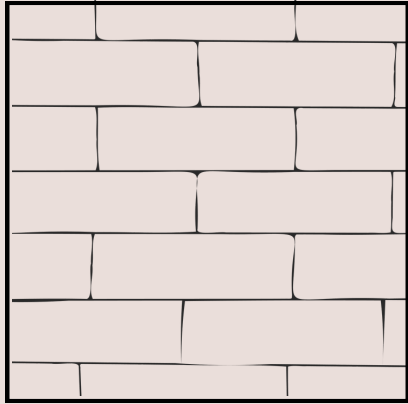
Watch the video below together to see how to make your very own theatre!



[Link to video](#)



Exploring Texture

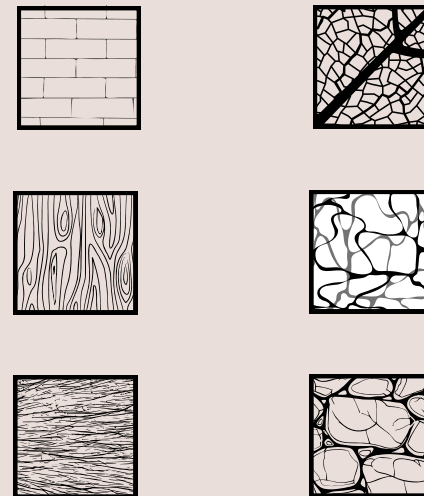


What is texture?
How is it used in art?

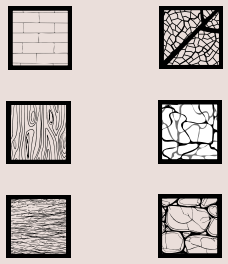
Exploring Texture with Videos



[Video Link](#)

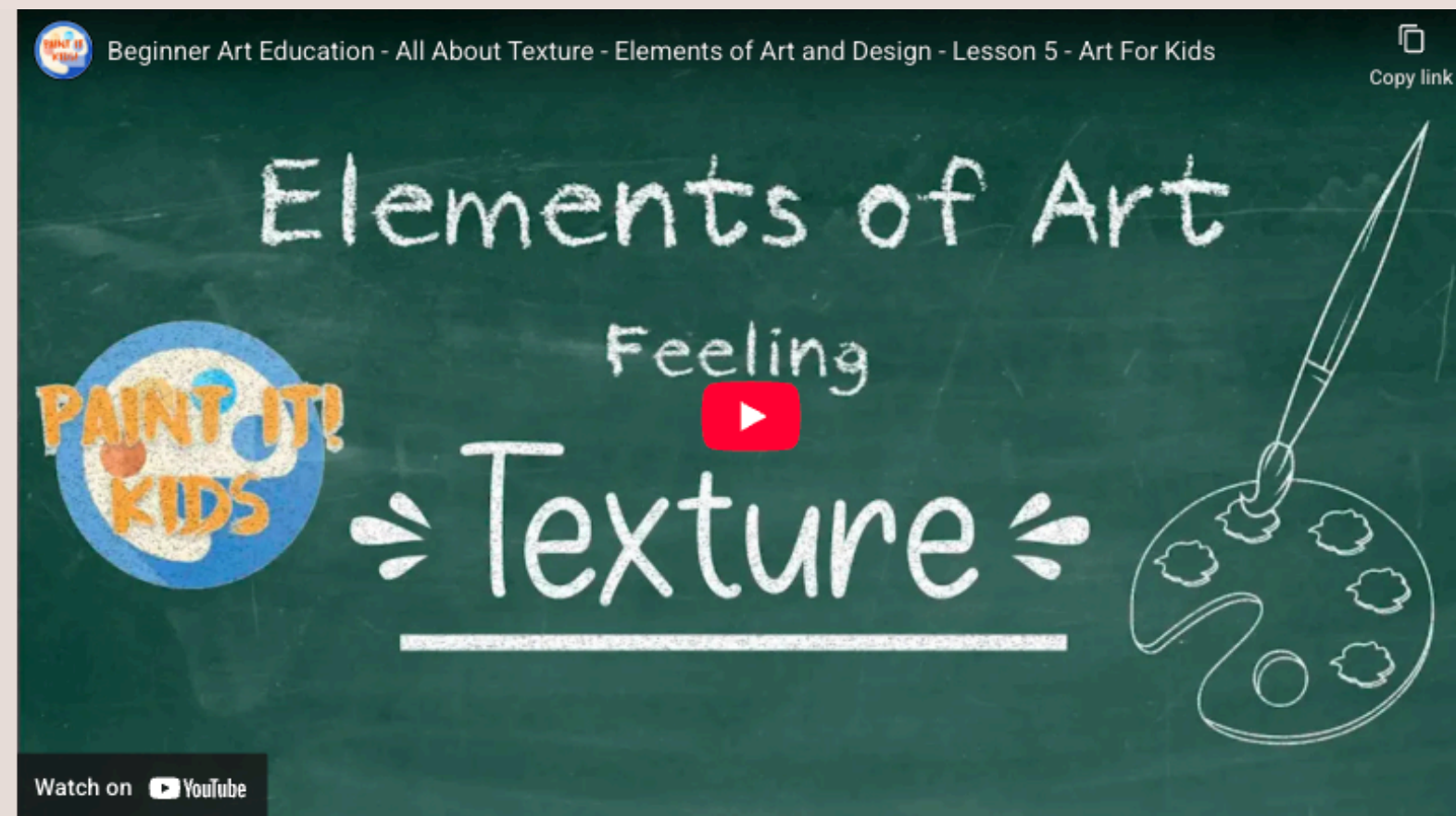


[Video Link](#)



Exploring the different kinds of texture in art

What is real texture and implied texture(drawn) in art?



[Video Link](#)

Exploring Texture

Materials for this next section



wax crayons



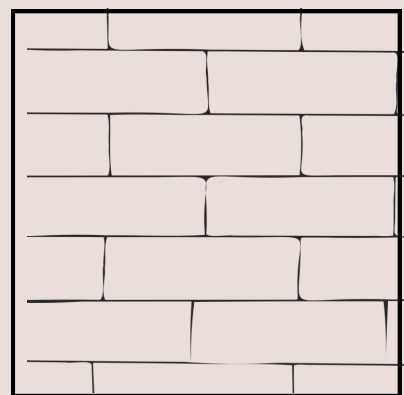
soft graphite
pencil



playdough



Tracing paper

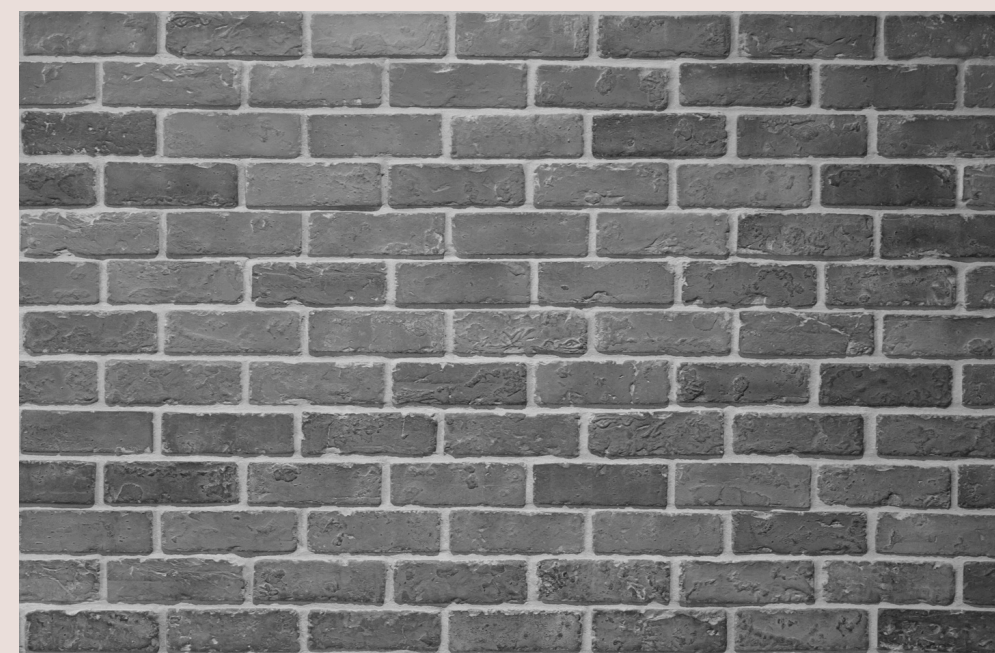


Exploring Texture

Provide children with tracing paper. Invite them to trace the texture section of the brick on the school wall or a piece of brick that you provided. The materials in the previous slide are recommendations, you can use paintbrushes, sponges, etc. You know your children best and what will work!



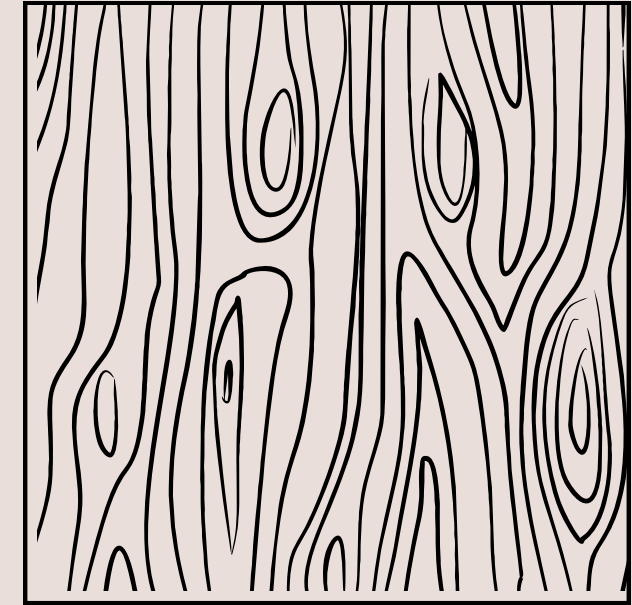
bricks/brick pieces



brick wall (school)

Exploring Texture

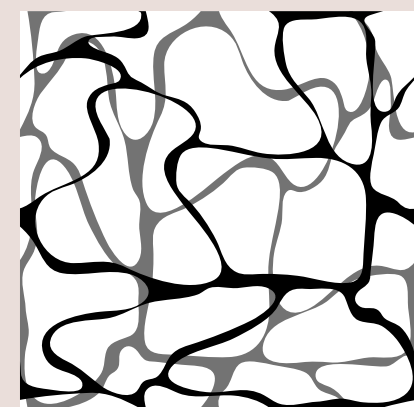
Provide children with tracing paper. Invite them to trace the texture section of the bark on the tree or provide pieces of bark to trace. You can also use playdough or clay to make a mold of the texture.



pieces of bark



bark on a tree

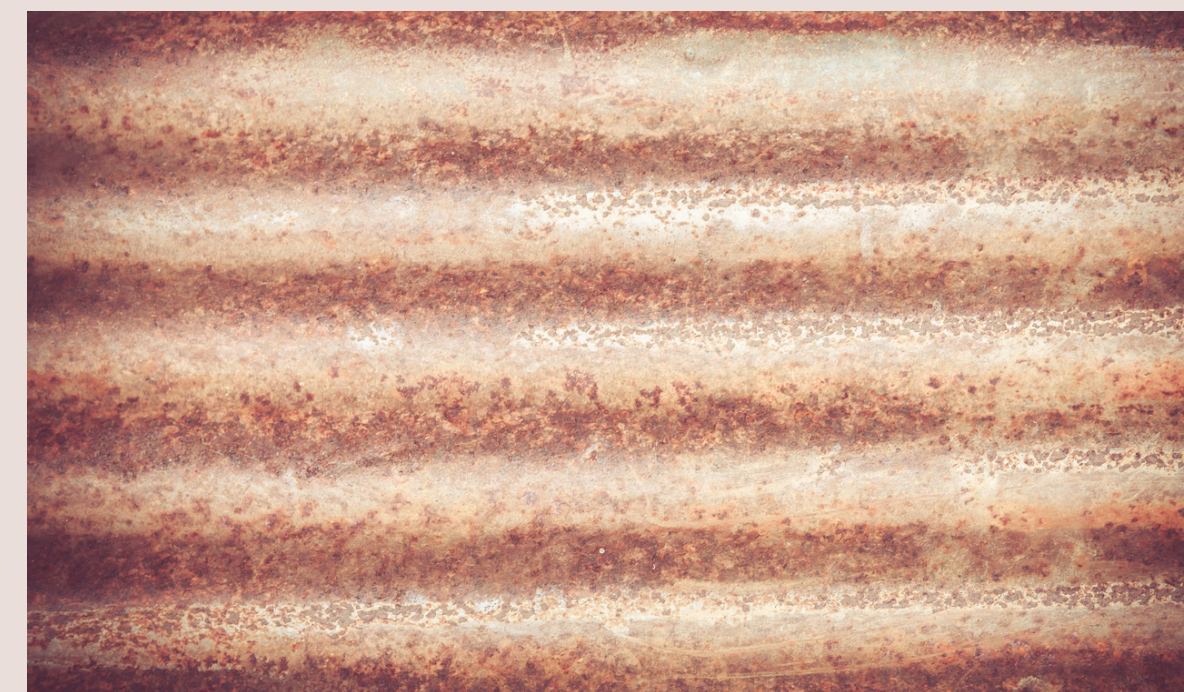
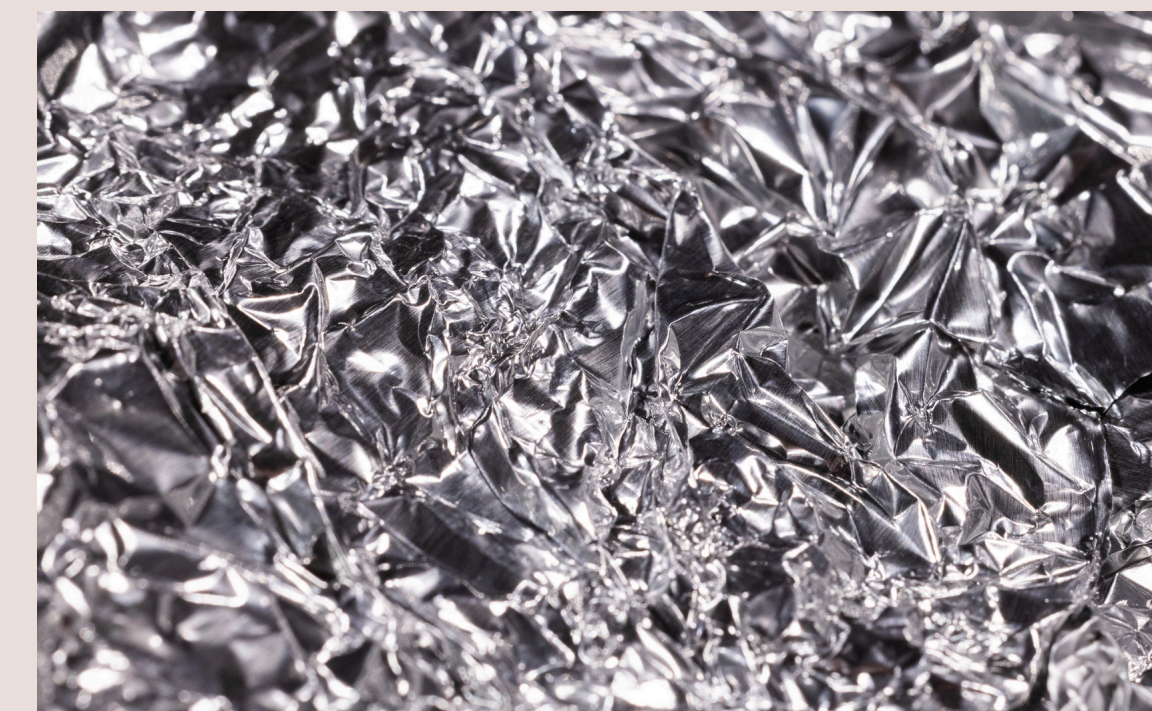


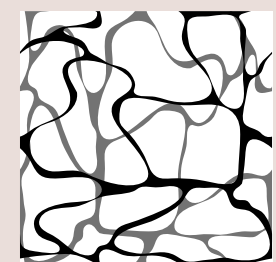
Exploring Texture for Art

foil

bubble wrap

corrugated
paper





Exploring Texture For Designing

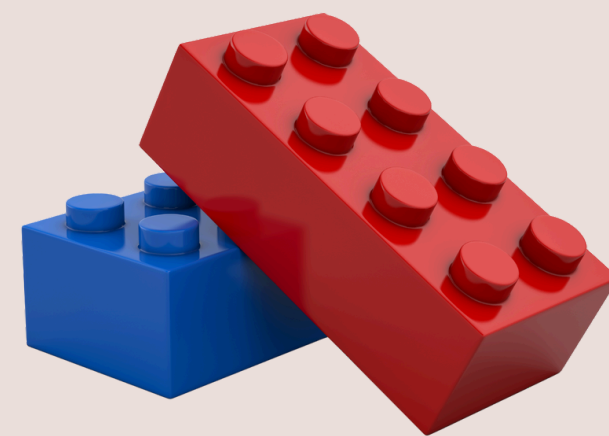
shoe tread



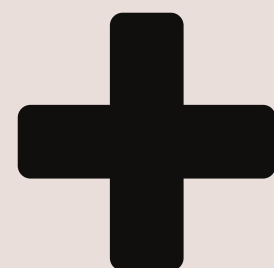
wheels



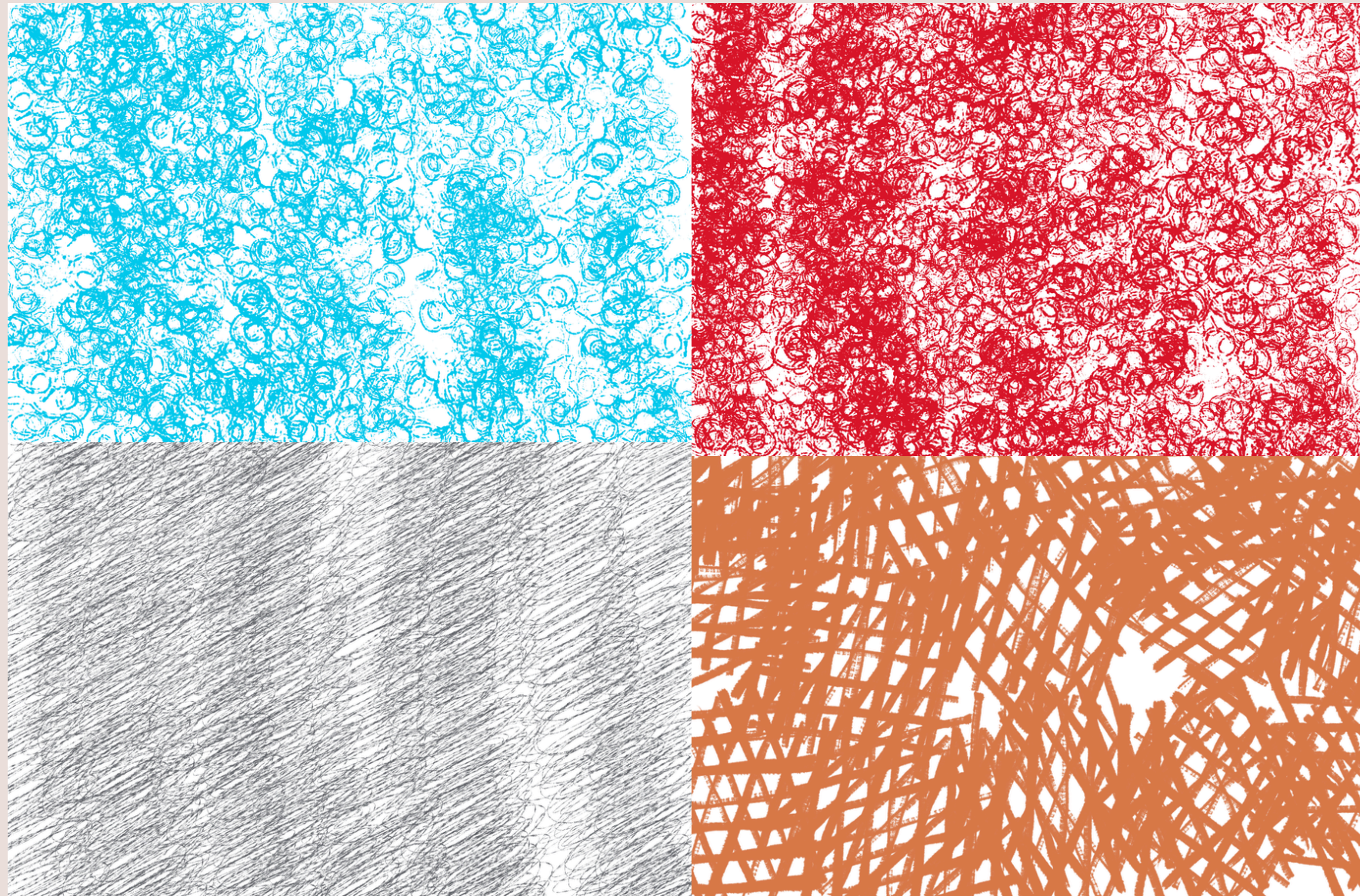
lego



Materials



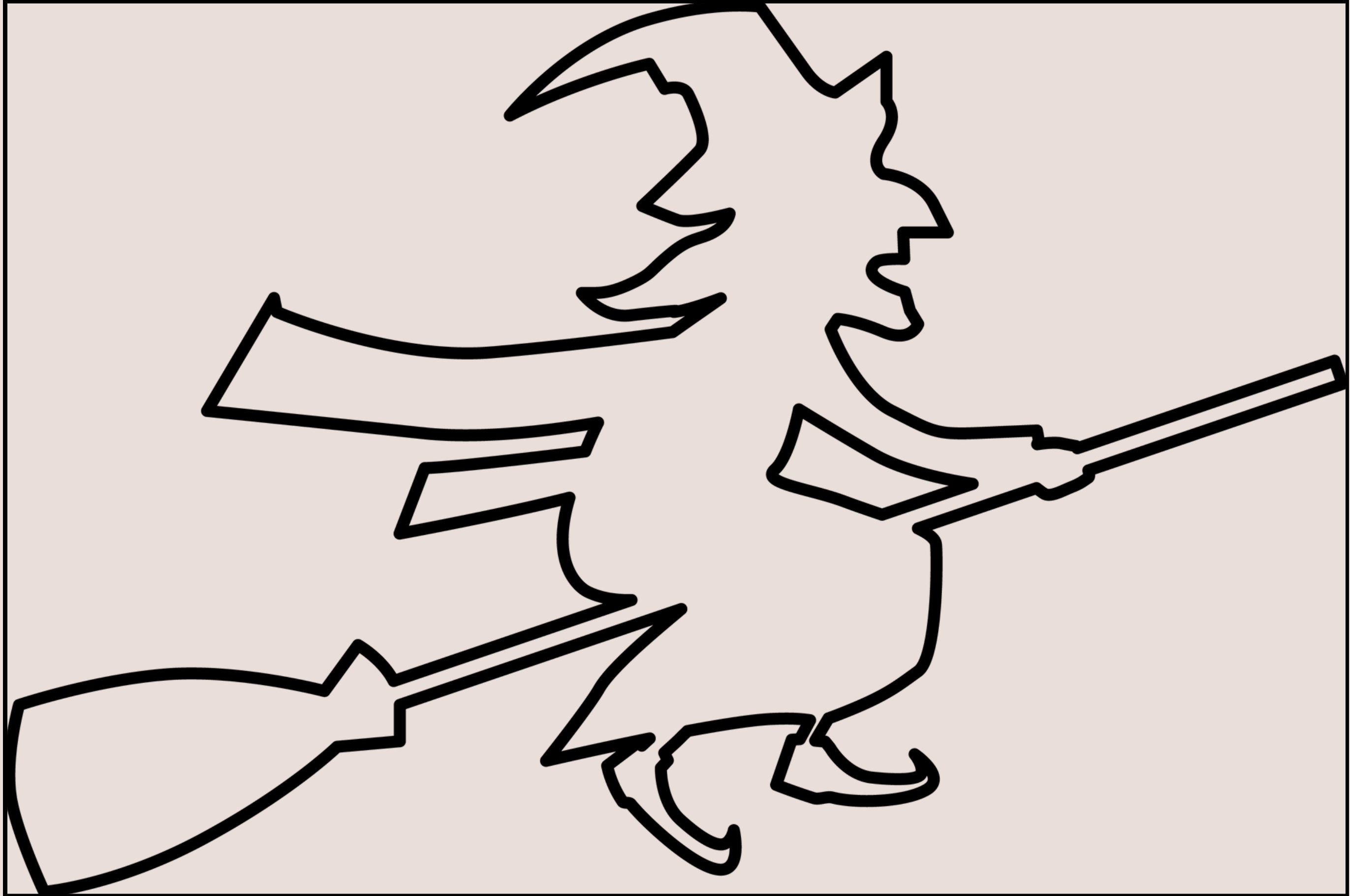
Create Your Own Design Using Different Textures



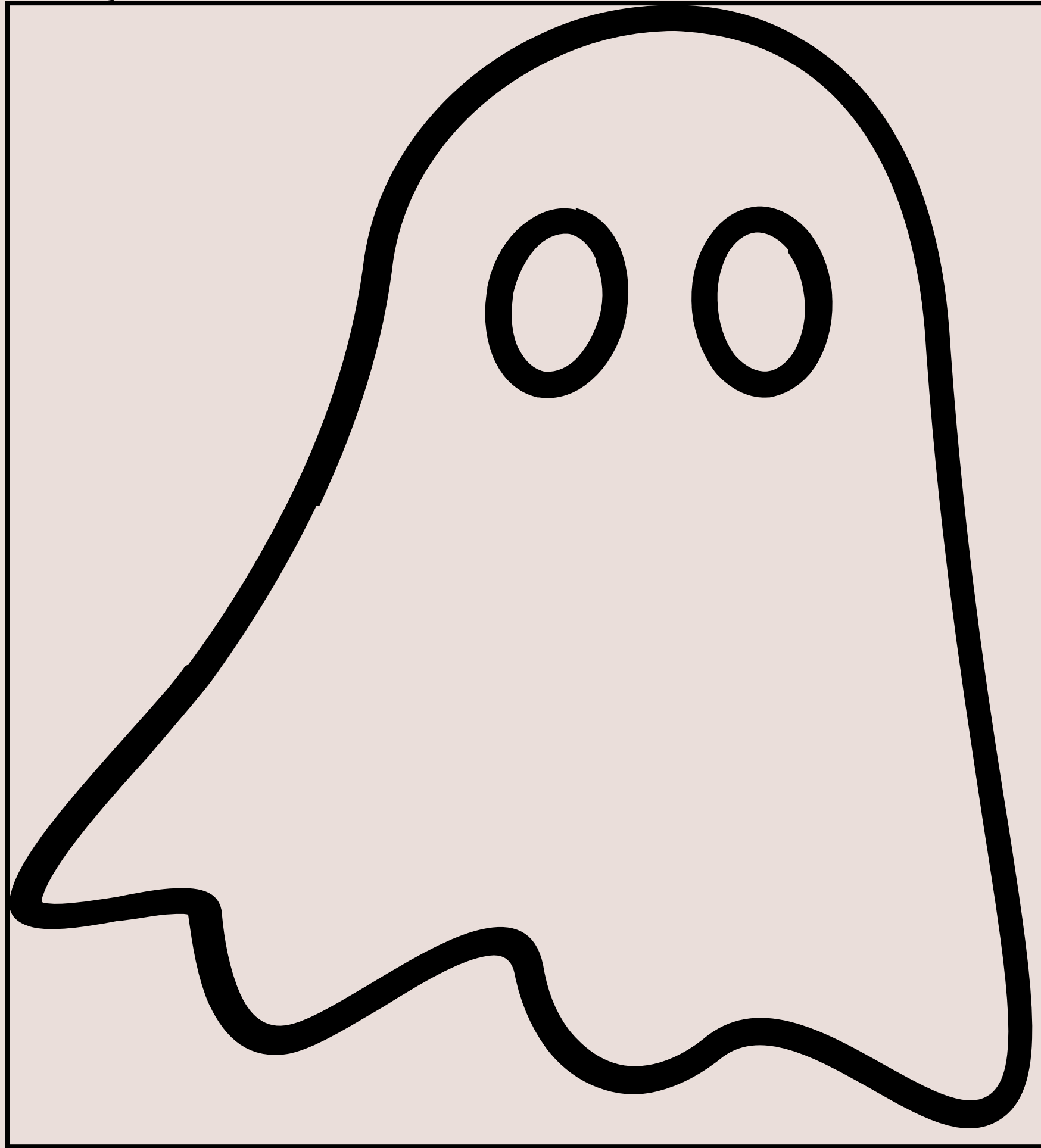
What do you see?

The subsequent seven slides
contain templates for shadow
puppets.

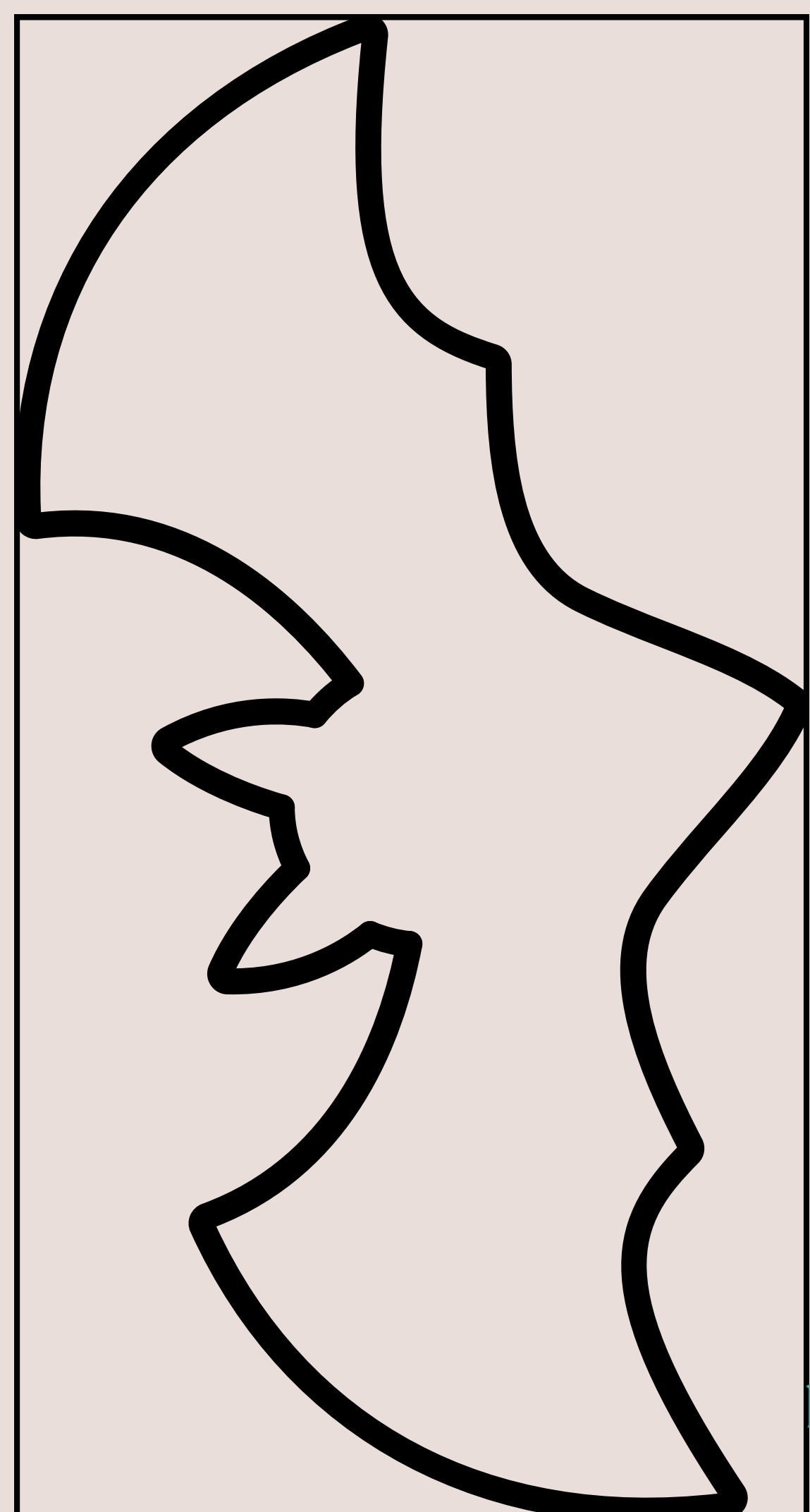
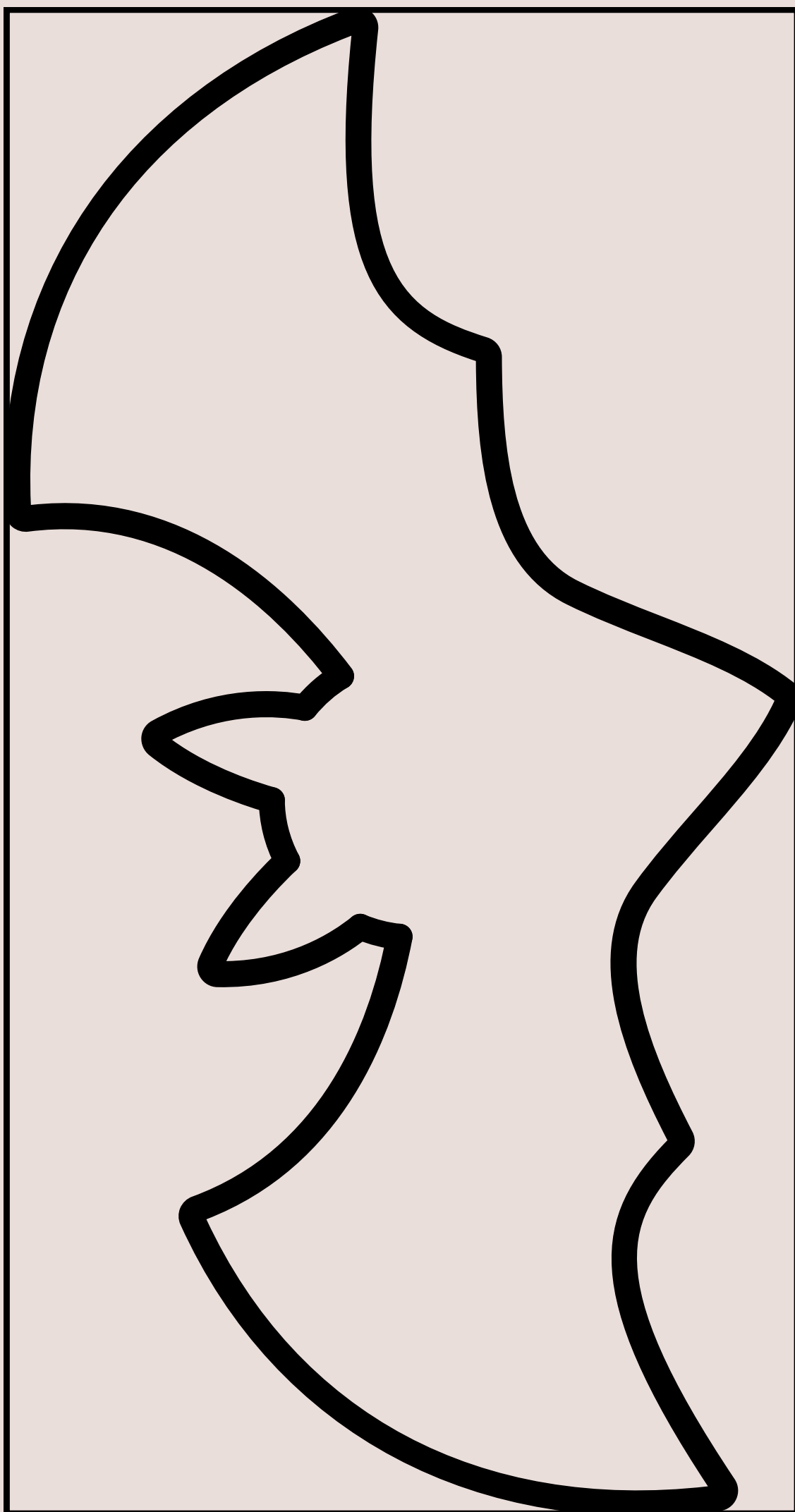
Template 1



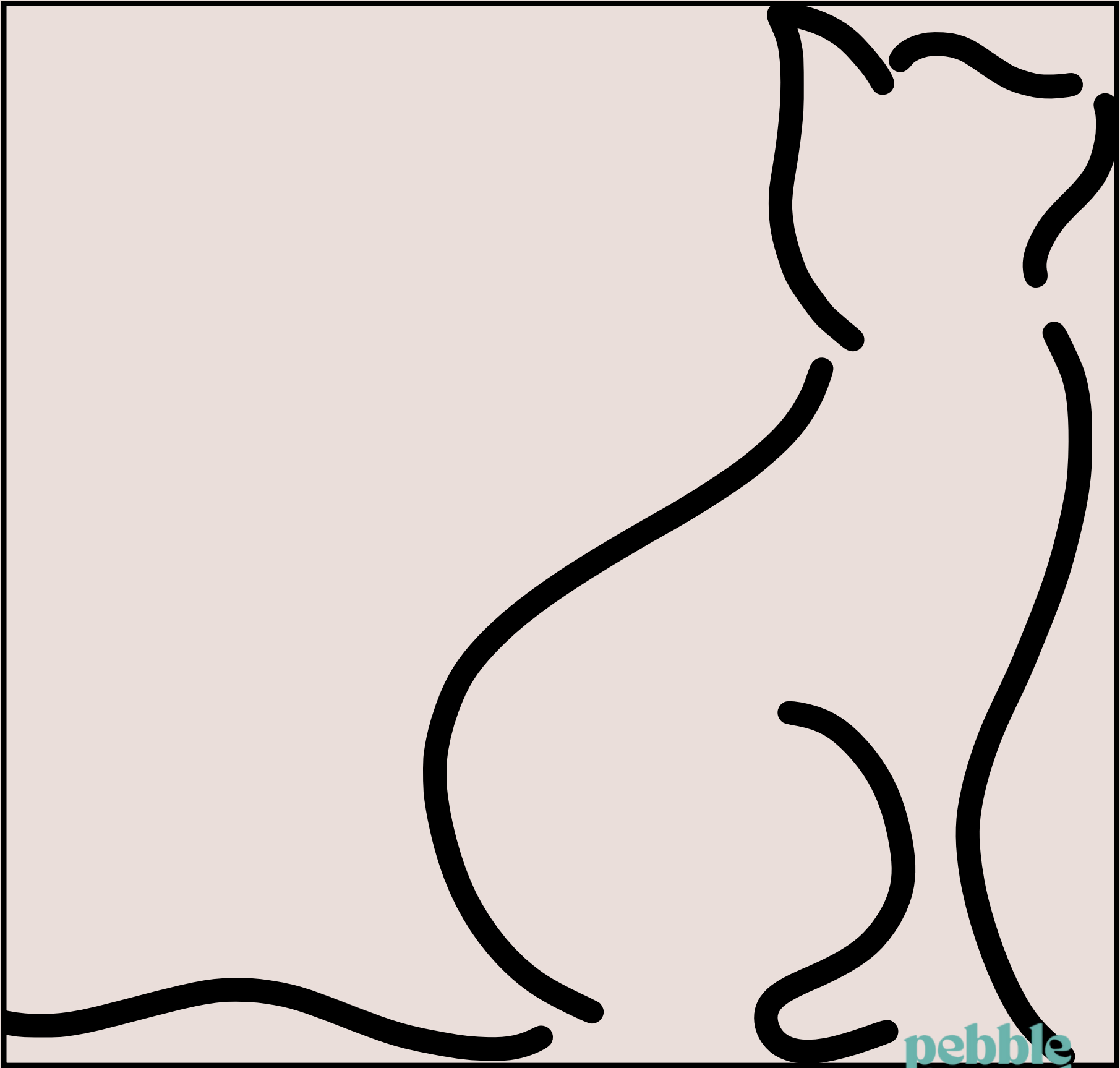
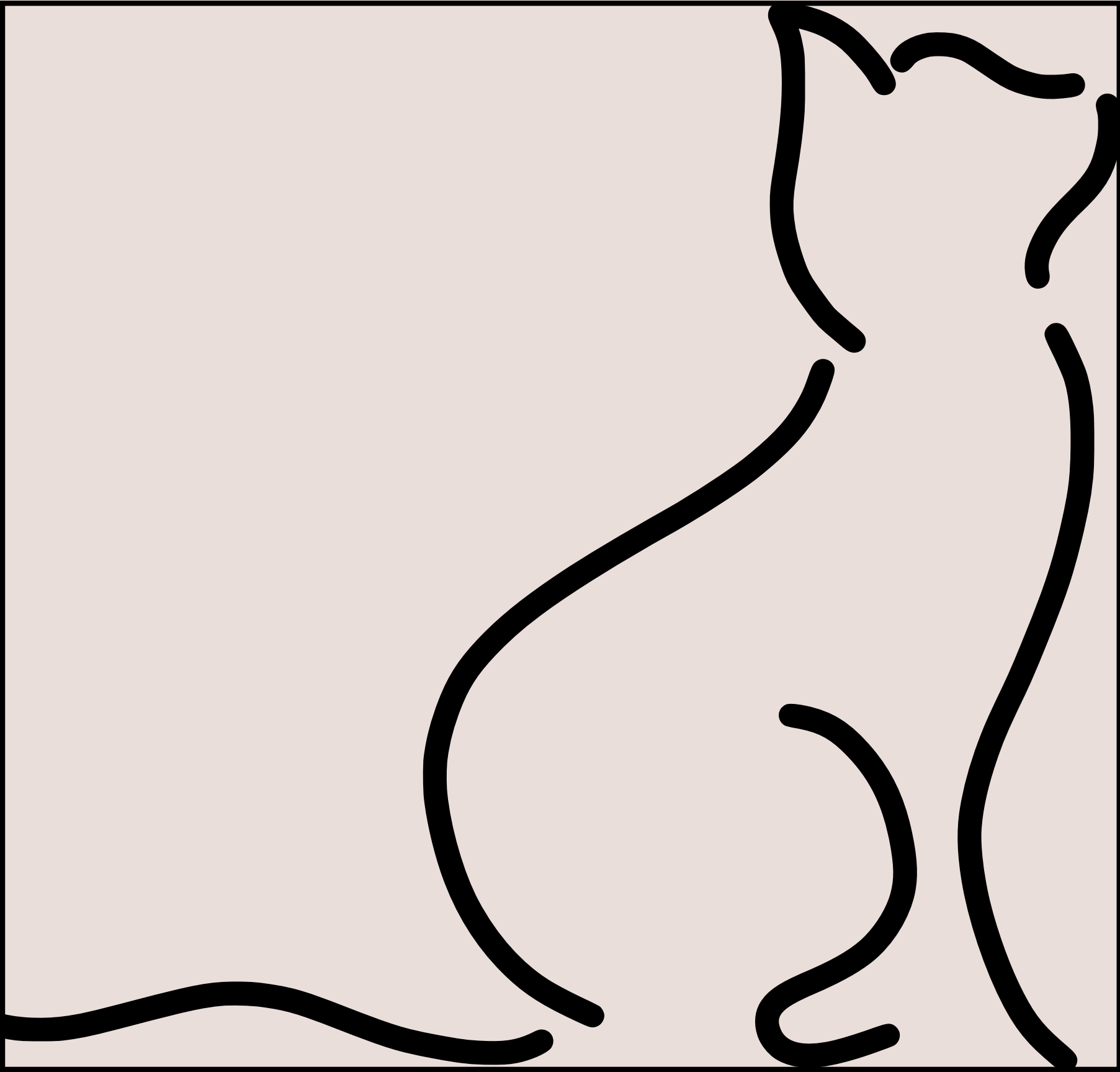
Template 2



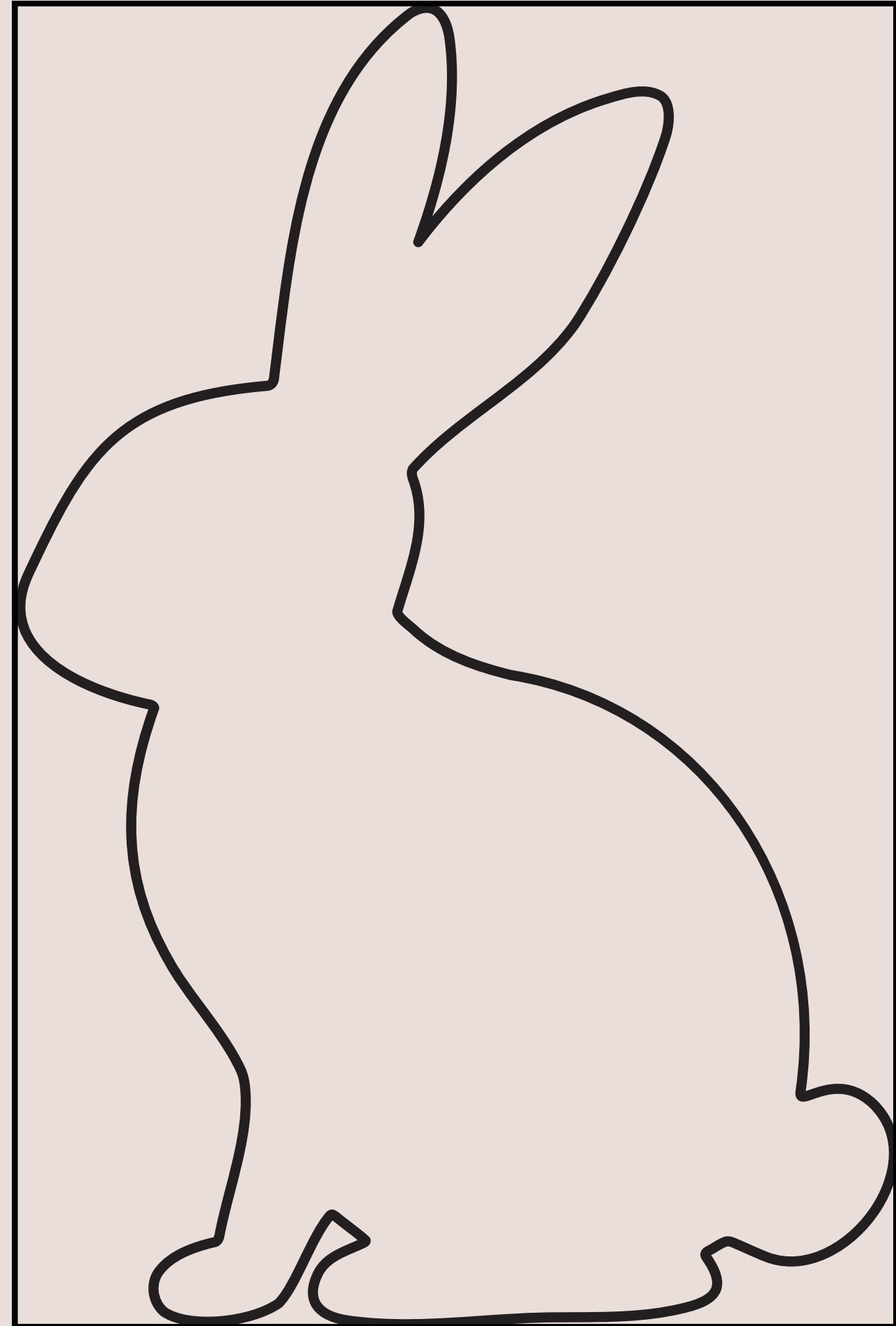
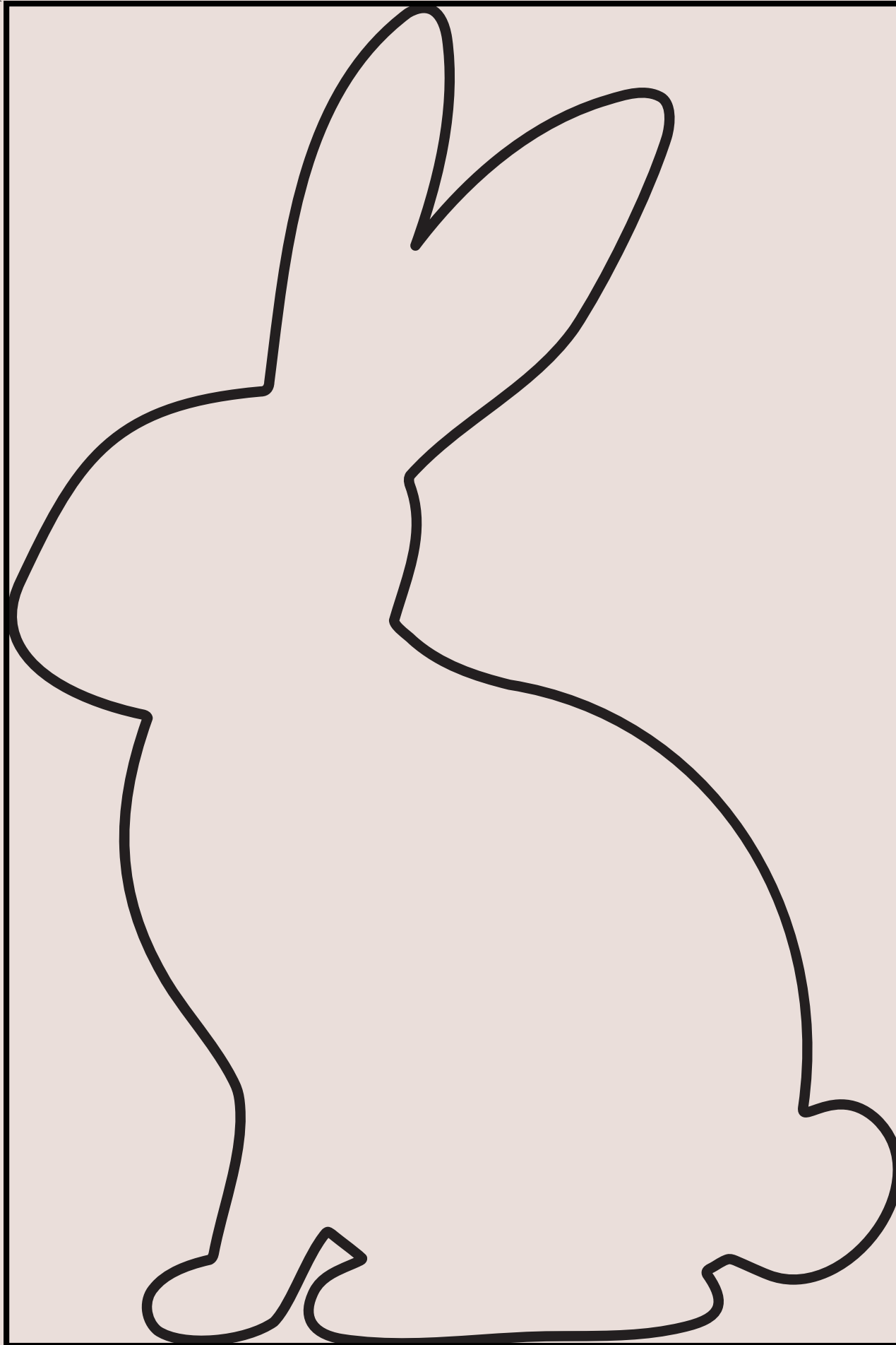
Template 3



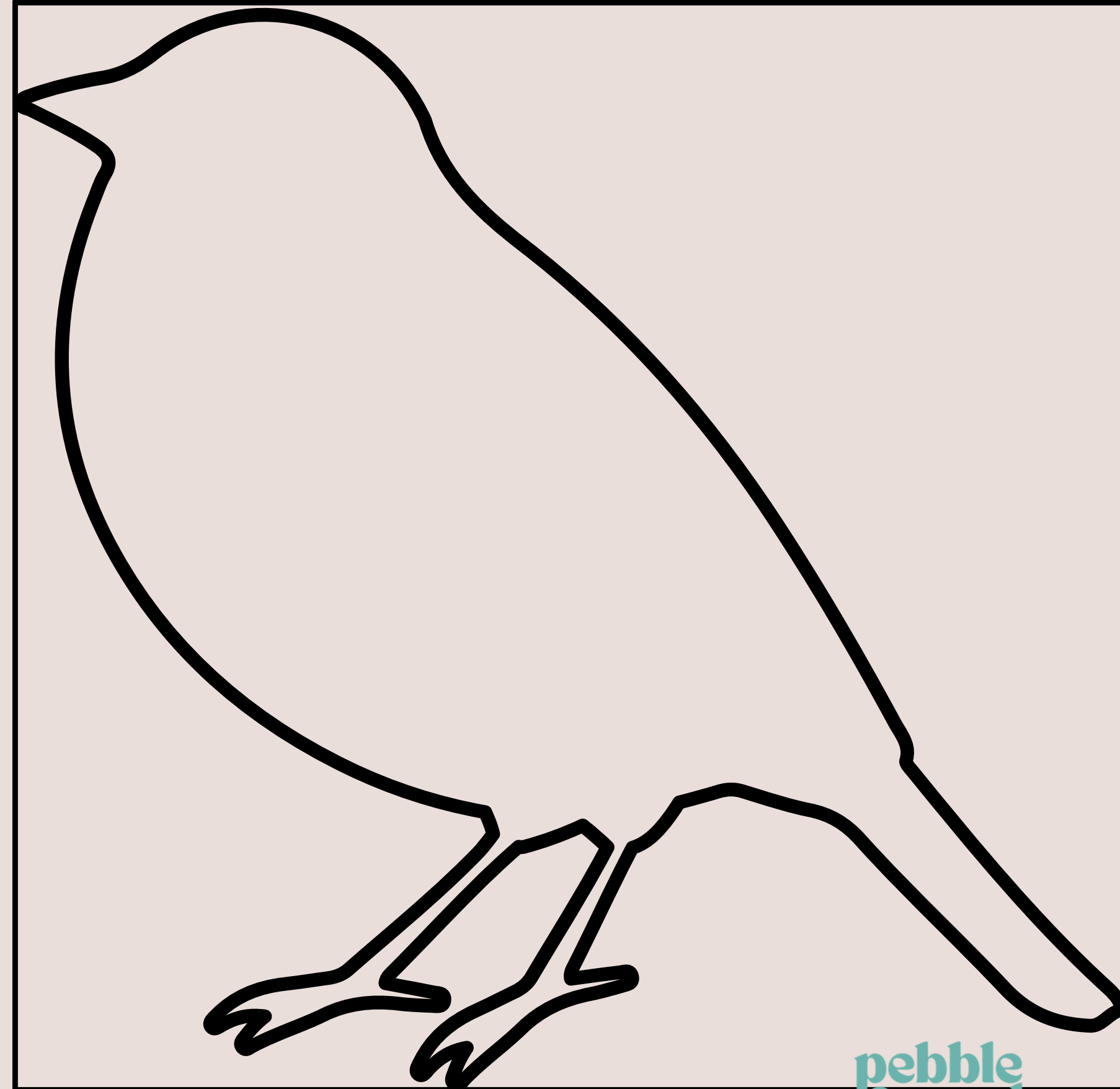
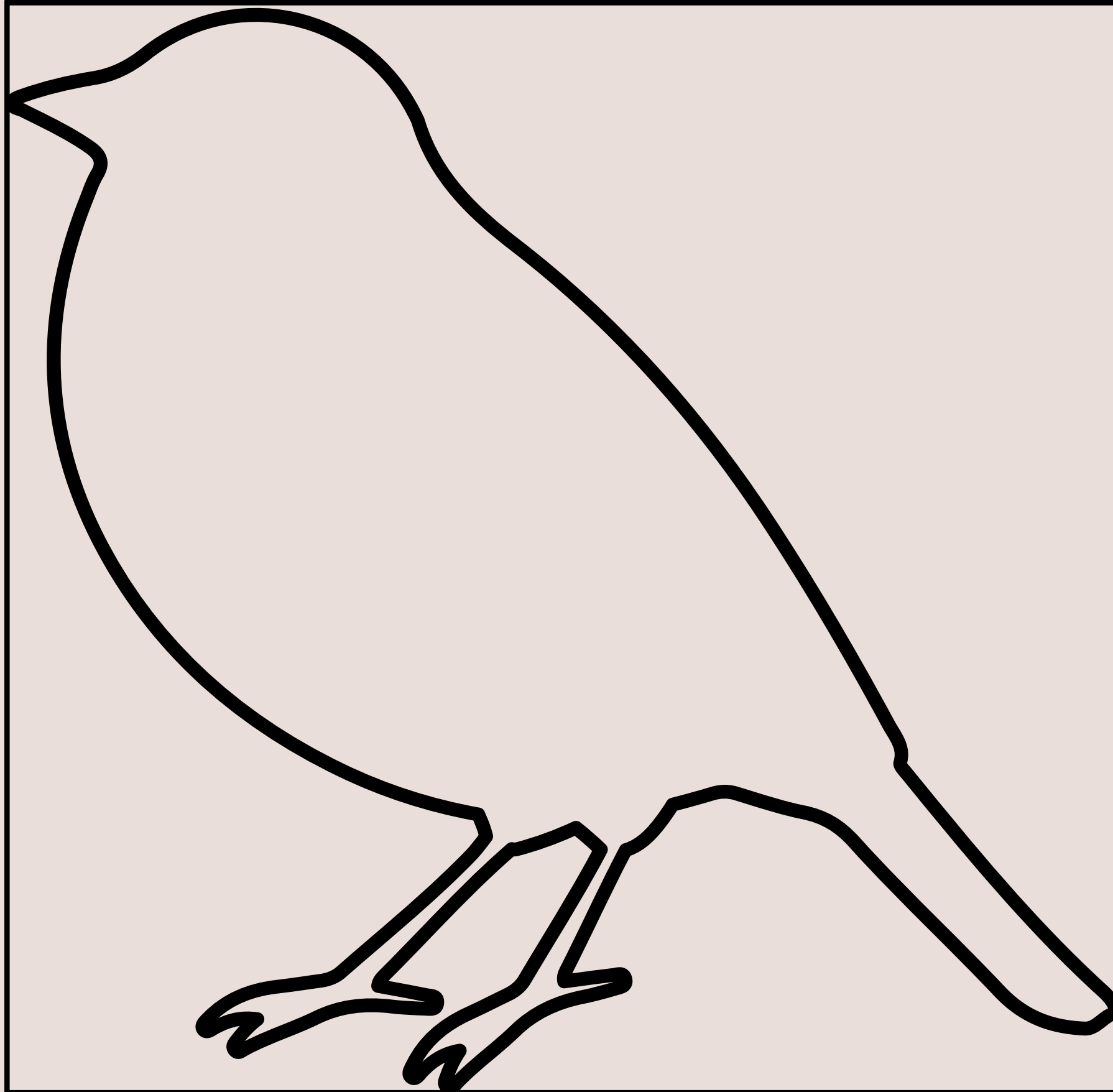
Template 4



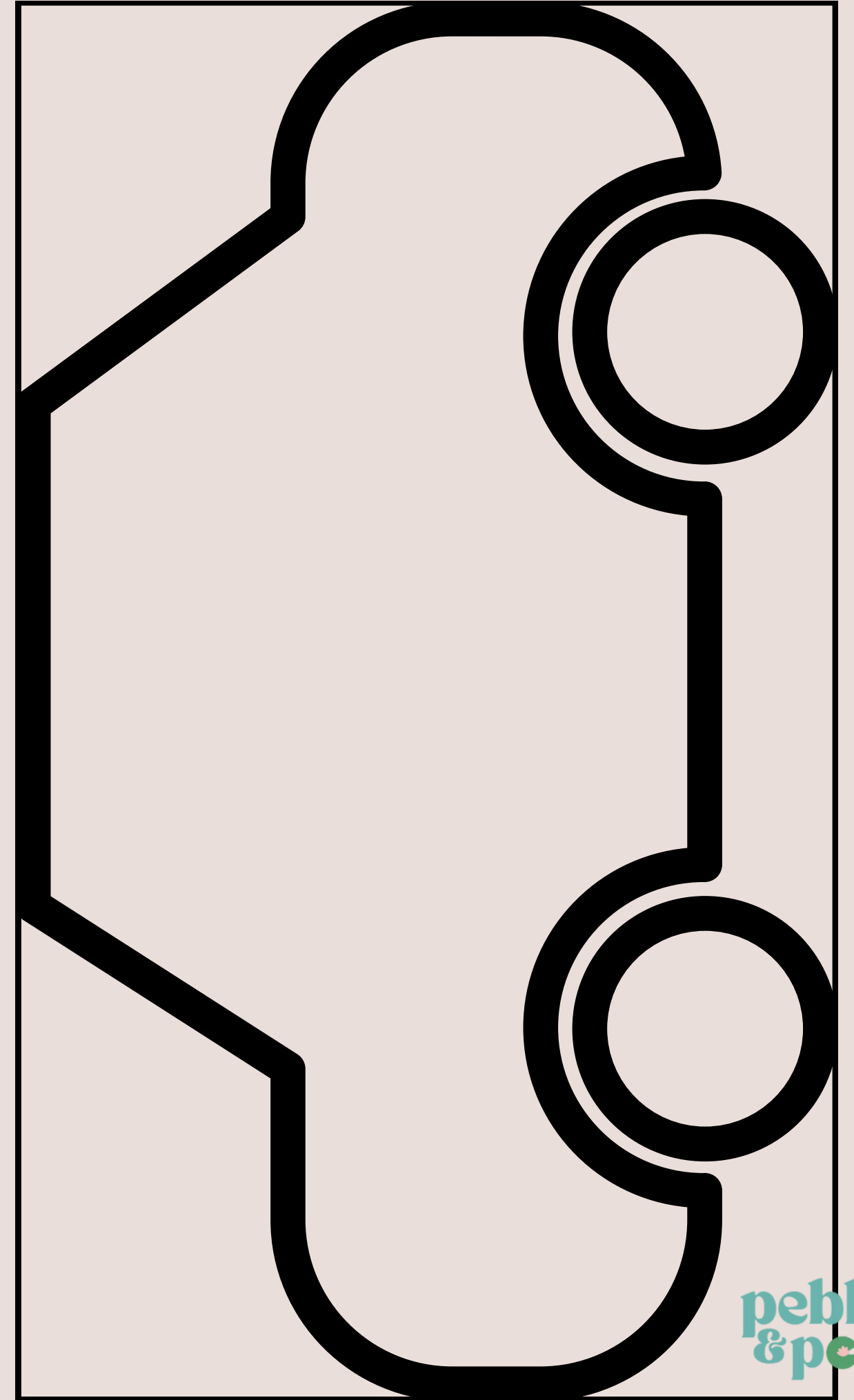
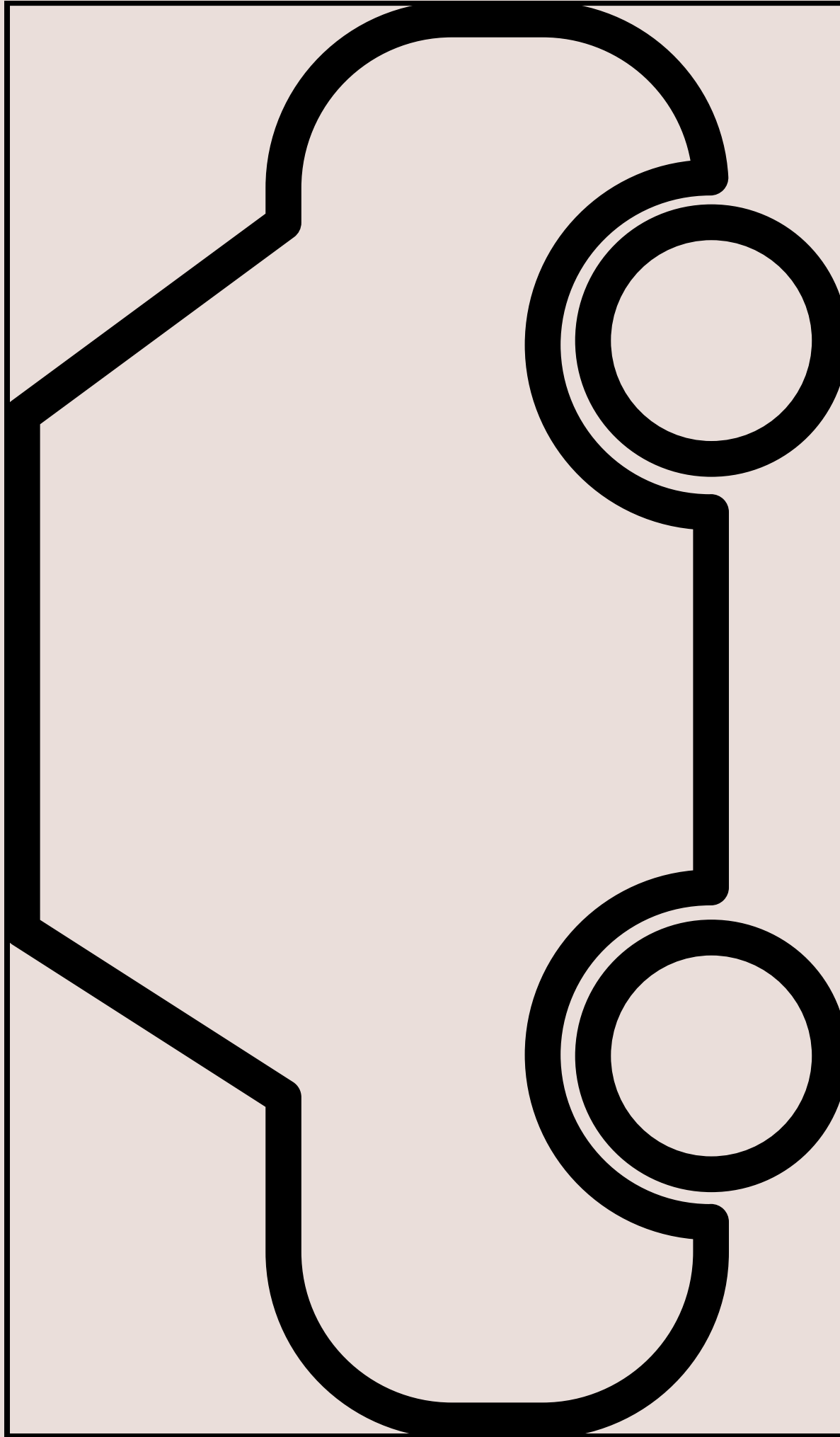
Template 5



Template 6



Template 8



Resources

Websites

[The Empowered Educator](#)

[The Simple Parent](#)

Youtube Videos

[Lighting Up Magna Tiles](#)

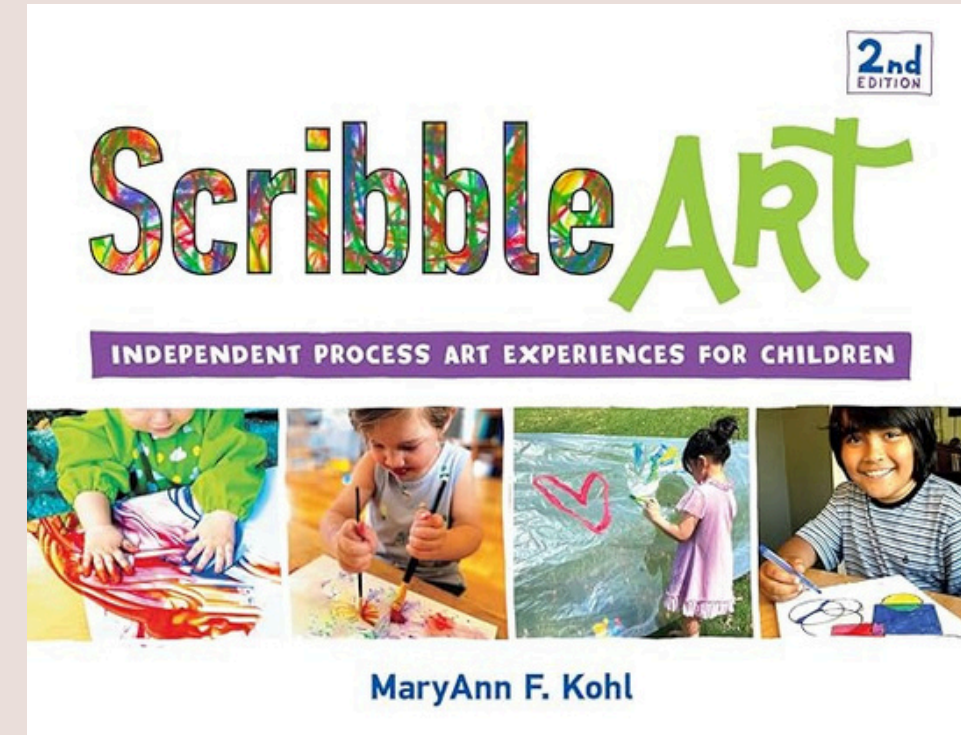
[Shadow Puppet Theatre](#)

[All About Textures](#)

[Learning About Textures One](#)

[Learning About Textures Two](#)

Teacher Resource Book



[AGO Video on Shadow Puppets](#)