Building blocks of the world

SCIENCE   ART & DESIGN

Learn with
Procreate®

Lesson ideas

Use these Lesson Ideas to spark your imagination for using Procreate in the classroom. Feel free to take them further and make them your own.

Building blocks of the world

Collaborate with classmates to create your own Periodic Table of Elements using illustrated typography.

All you need is an iPad and the following apps:

 Procreate

 Safari

 Keynote
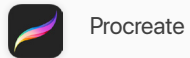
Educational Value

✓ Students recognise the connections between chemical elements and real world compounds.

✓ Students use illustrated typography to communicate an idea.

✓ Students demonstrate understanding of their chosen element by delivering a presentation to their peers.

In this guide

Choose an element

Lucky dip

You might like to cut up a print-out of the periodic table and take turns with your classmates to pick an element out of a hat.

Safari

Research your element

Think about...

YOUR RESEARCH METHOD

Research in a way that fits how you would like to learn. You might like to use Safari to read about your element, look for images or watch a video.

COMPONENTS

Notice that there are usually three or four pieces of information in each tile of the Periodic Table. What do each of these tell you?

THE REAL WORLD

Most elements on the periodic table occur naturally and can be observed in the world around us. What does your element do? Where might you find it?

Safari

Create your tile

Insert your information

1 Open Procreate and tap the + in the top right to create a new A4 canvas.

2 Tap the wrench icon in the top left to open the *Actions menu*, tap *Add* and then *Add text*. You can use these textboxes to add the four components of your tile. This will include the:

- Atomic number
- Symbol
- Element name
- Atomic Mass

3 Tap the *Aa* button on the keyboard to edit the text.

Gallery

Actions

Add | Canvas | Share | Video | Prefs | Help

Insert a file
Insert a photo
Take a photo
Add text

Cut
Copy
Copy canvas
Paste

He
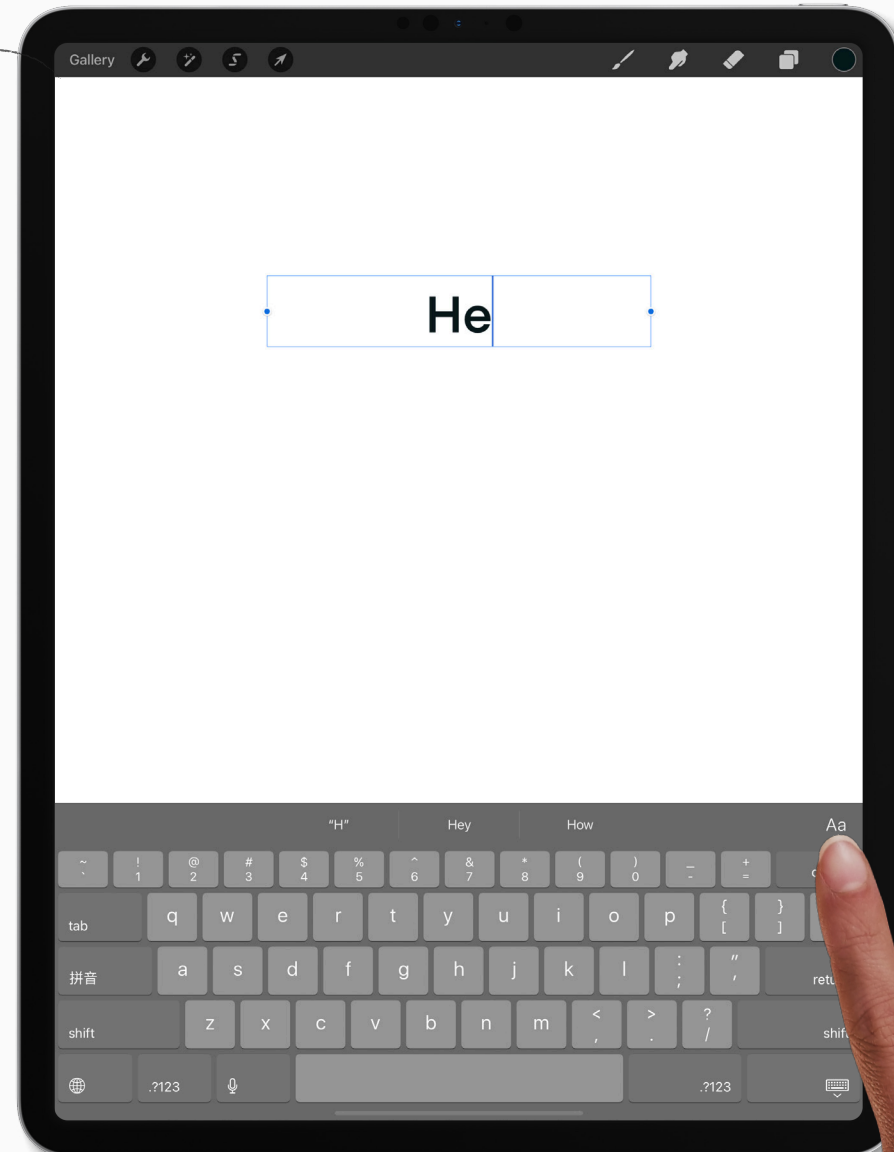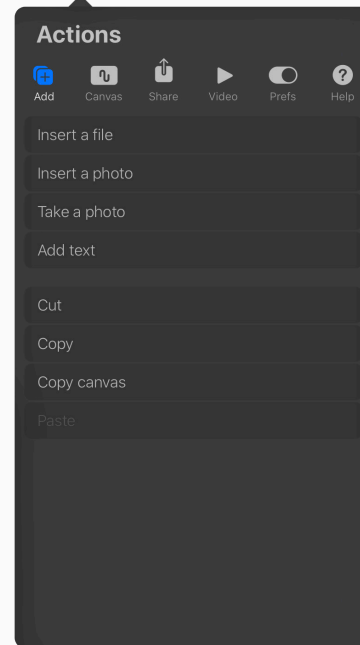
Edit text

Experiment with the different fonts on your iPad. Change the size of the text so that the Symbol for your element is the focal point.

Transform text

Once you're happy with your style, use the arrow icon to move your parts around. You can also change the size of your text here.

TRANSFORM
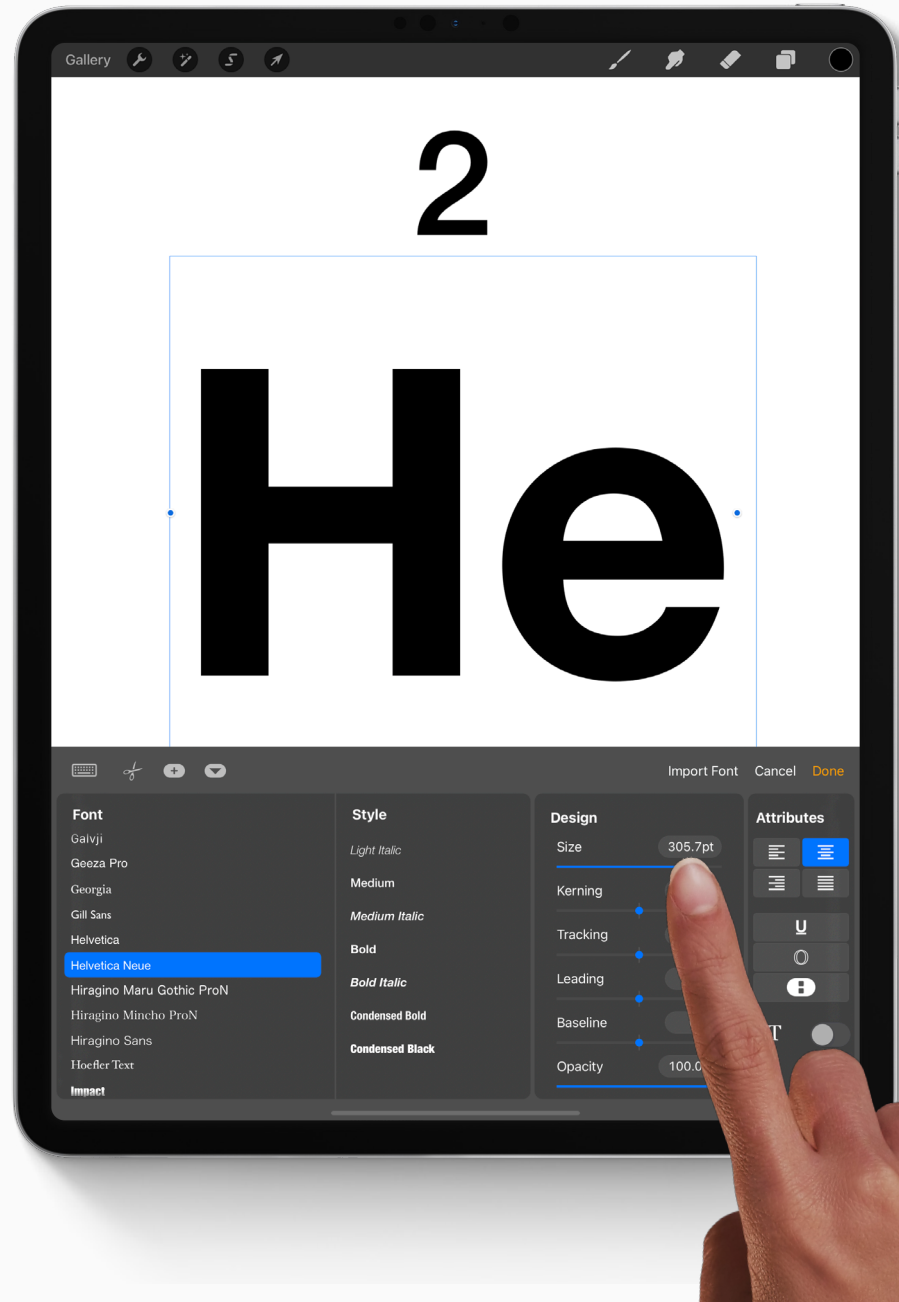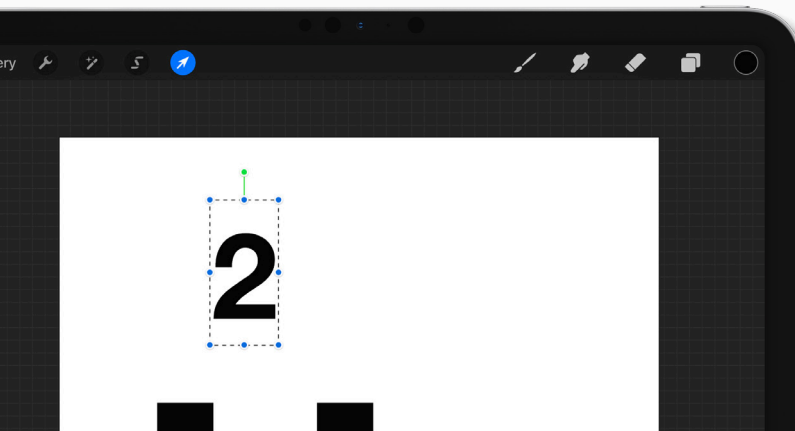
Preparing for illustration

Decrease the *Opacity* of the symbol text using the slider. This will act as a guide as you create an illustration over the top on a new layer.

Organize your layers

You can group your text layers to make the next stage easier. To select multiple layers at once, swipe each layer to the right. Then tap *Group*.

Bring your letters to life

Sketch

Now that all the parts of your tile are in place, think back to your research and find a way to visually represent your element through illustration.

Using the faded letters as your guide, select a brush and start sketching your design.

BRUSH

Use the *Technical Pencil* under *Sketching* for your initial design.
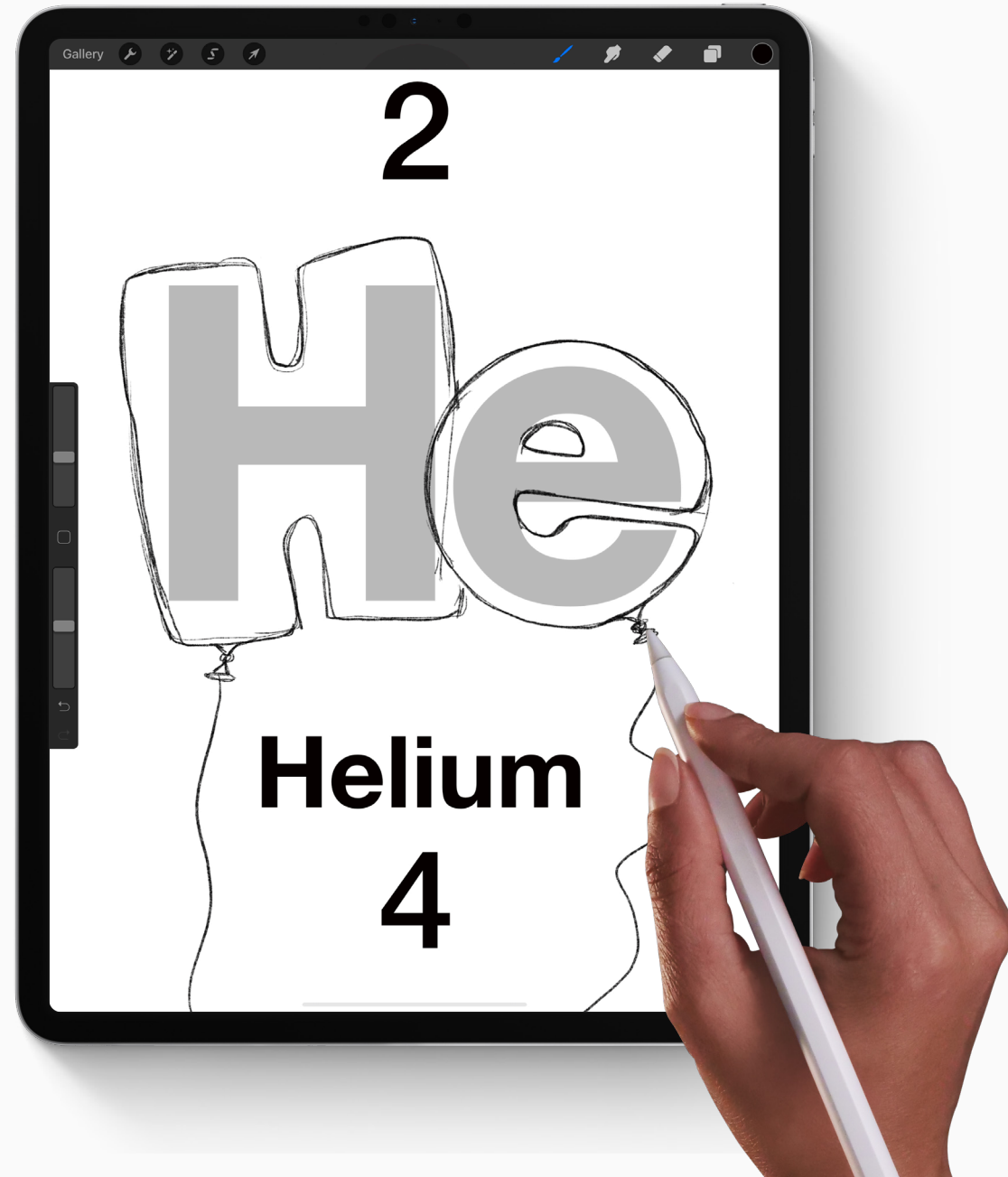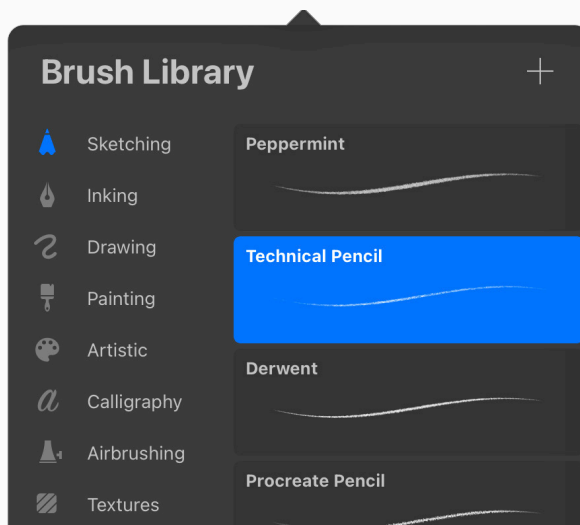
Color

Experiment with other brushes to color your typography.

Think about how the symbol interacts with the other parts of your tile and how to use color to bring excitement to your illustration.

When you're finished, hide the sketch and template layers you were using as a guide to help you paint your symbol.

Painting tips

QUICKSHAPE

Draw perfectly smooth, straight and curved shapes and lines easily by holding your finger at the end of each line.

COLORDROP

Drag your selected color from the top right to fill any area in your artwork.

PALETTES

You can save colors you'd like to use in a palette so that you can easily access them.

You will find palettes in your *Color Panel*. Simply tap an empty space in your palette to add a color.

MASKS

You can use a *Clipping Mask*, *Layer Mask*, or *Alpha Lock* to help create your artwork. To learn how to use Masks have a look at our Intermediate 'How to' Series.

Set the scene

## Add a background

Once you're happy with your typography, paint the rest of your tile to bring the image to life.

TYPOGRAPHY TIP

To be able to *Warp*, use *Color Drop,* and draw onto your letters, you will need to *Rasterise* them. This turns the live type into pixels that you can draw on and edit like any other shape. Once you do this you can't go back, so don't forget to check your spelling.
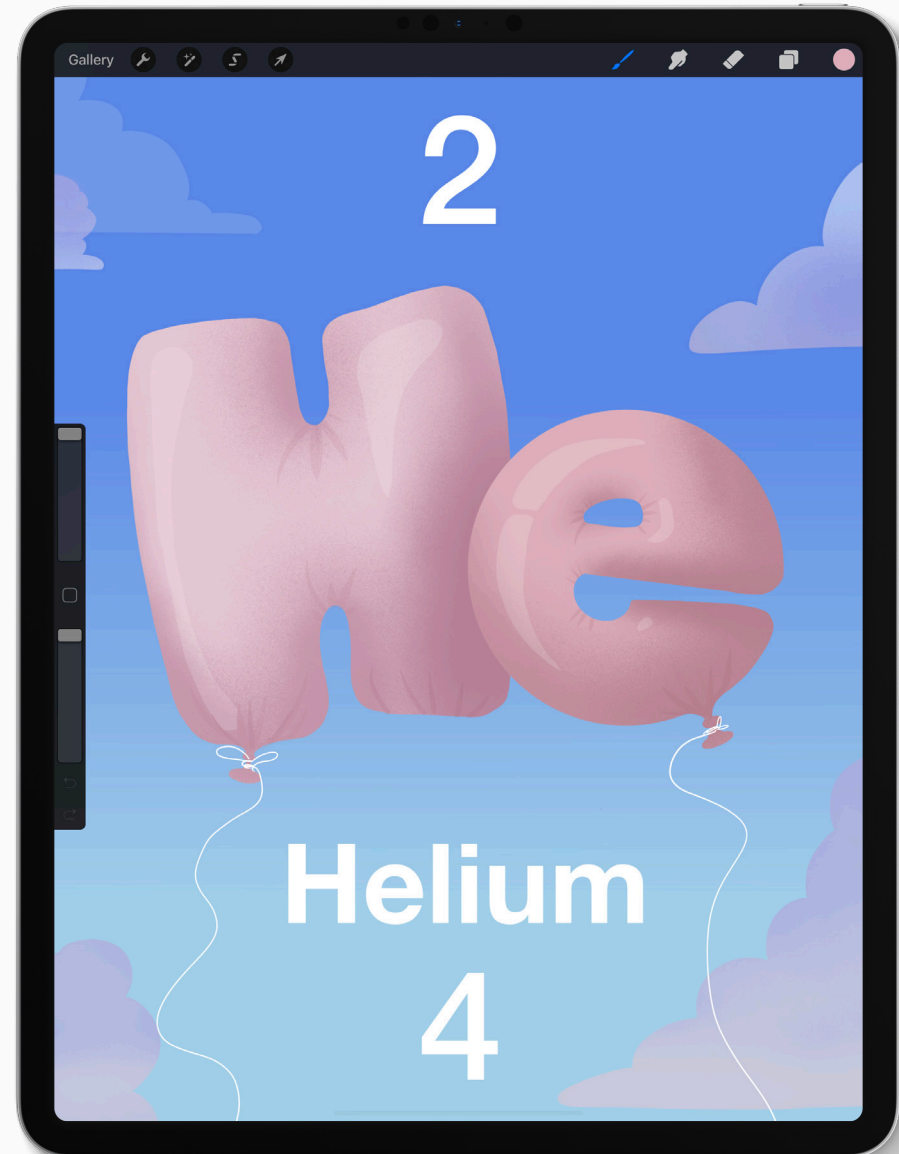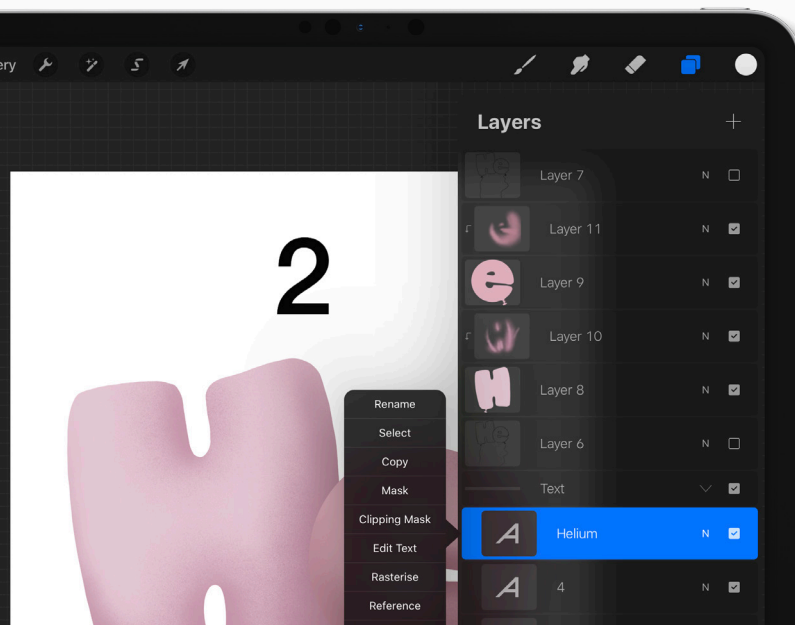
Take it further

Bringing it together

Print out your tile design on an A4 piece of paper and work with your classmates to make a display by ordering your elements as they appear on the Periodic Table.

How many elements are you missing? You might like to fill in the gaps!

Share what you know

Using Keynote, make a presentation to share what you've learnt about your element. You can copy and paste the layers from Procreate straight into your presentation.

Keynote
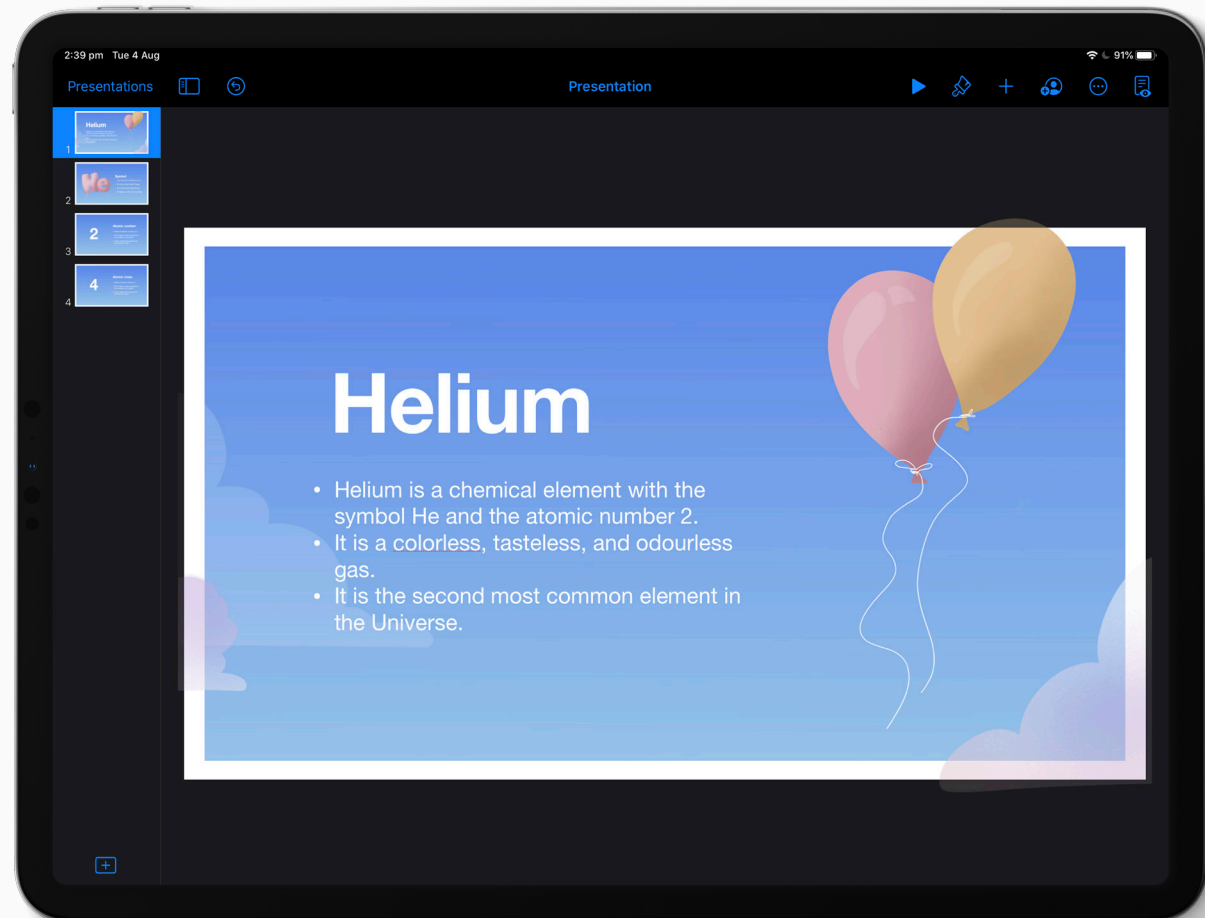
Create

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To dive deeper into the full creative potential of Procreate, see our Handbook at procreate.art/handbook

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