My Anatomy

SCIENCE   **ART & DESIGN**   **HEALTH & PE**
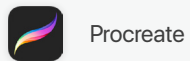
Learn with
Procreate®

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.

My Anatomy

Students investigate the systems of the human body through layered illustration.

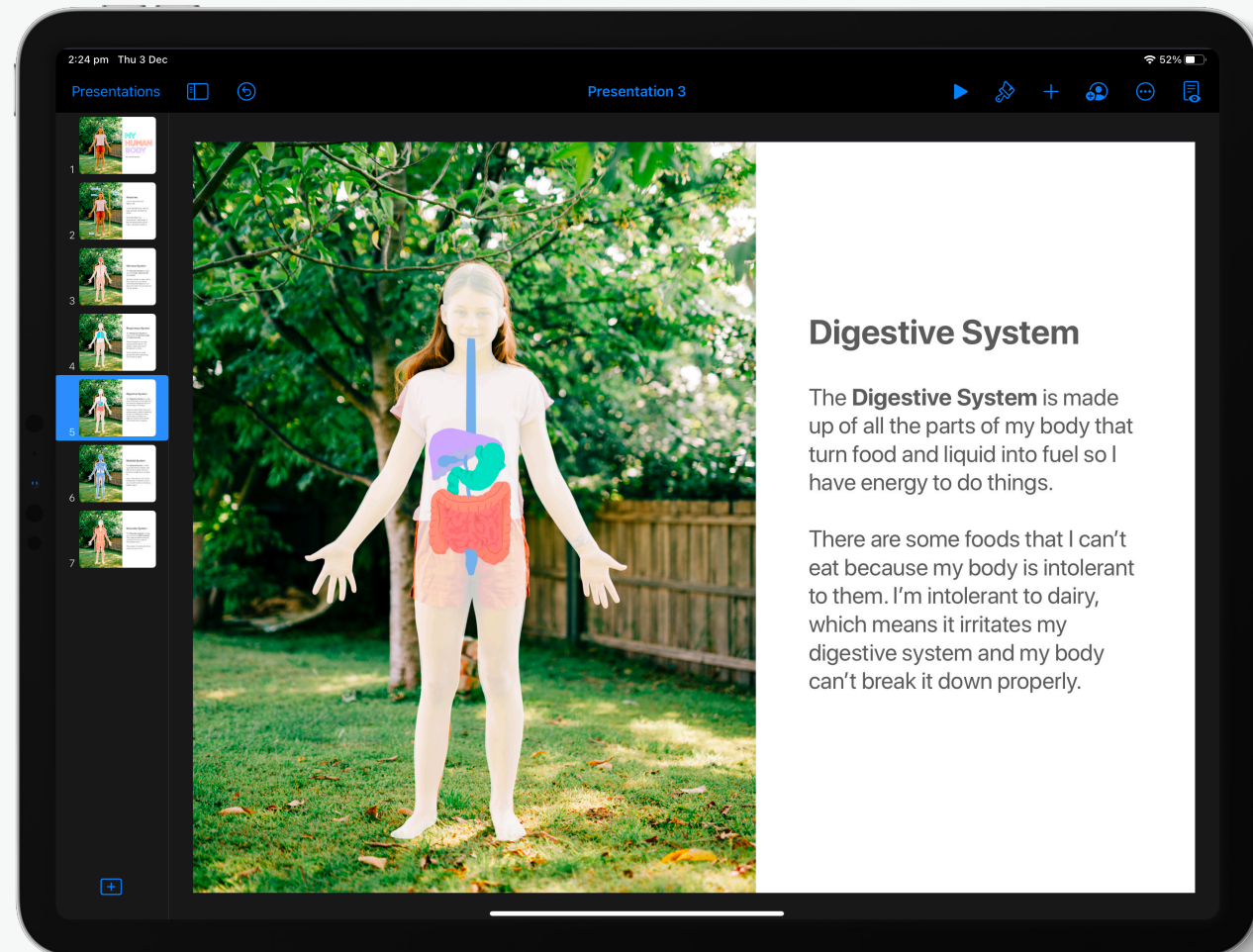All you need is an iPad and the following apps:

 Procreate

 Keynote

 Safari

Educational Value

✓ Students explore the structure and function of the major systems of the human body.

✓ Students reflect on the things that make them unique, and the similarities they share with others.

✓ Students use digital technologies to create graphic representations of biological systems.

Digestive System

The **Digestive System** is made up of all the parts of my body that turn food and liquid into fuel so I have energy to do things.

There are some foods that I can't eat because my body is intolerant to them. I'm intolerant to dairy, which means it irritates my digestive system and my body can't break it down properly.

In this guide

Self-portrait

Your body

Use the *Camera* app to take a photo of yourself. You can work with a friend, or use a self-timer if you're learning independently.

Make sure you're standing with your arms and feet slightly apart to make drawing the following exercises easier.
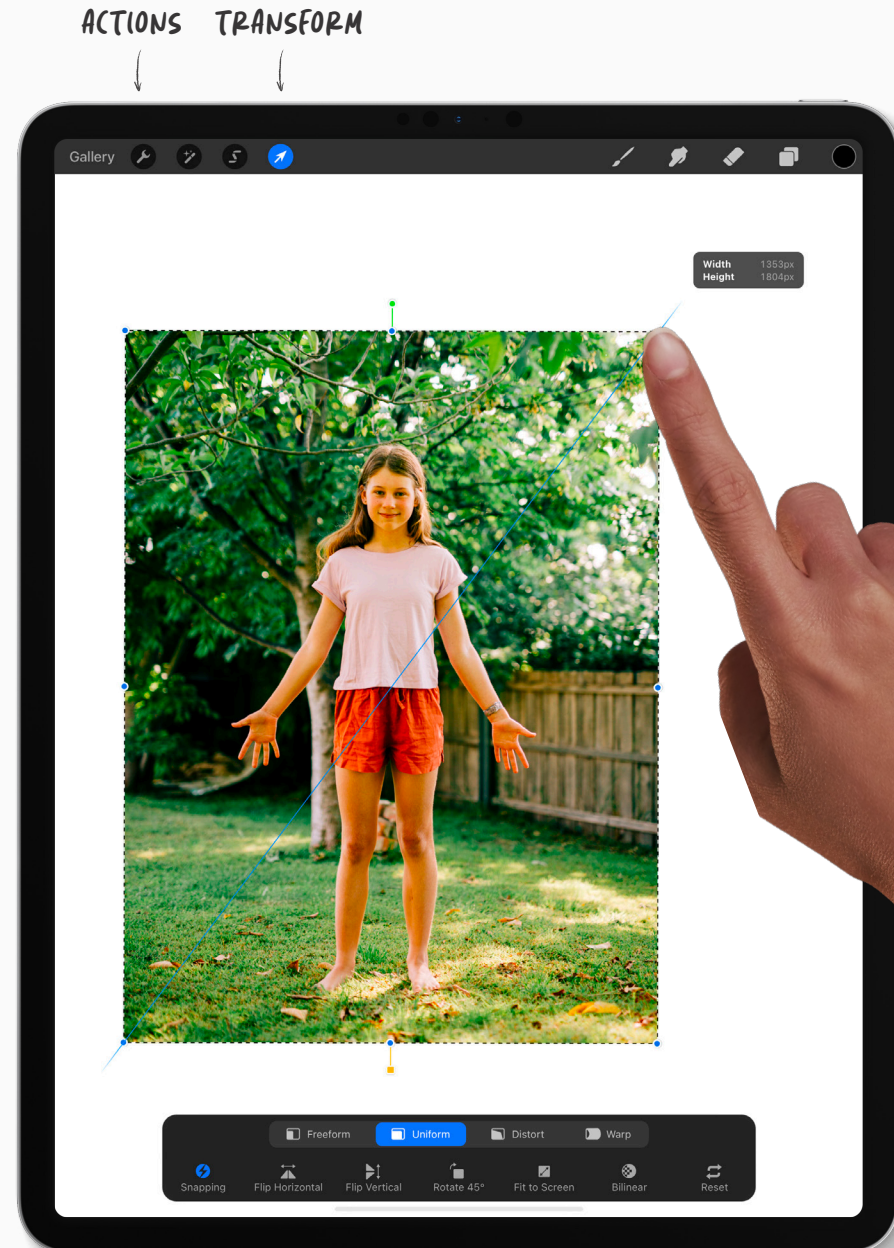
Camera

Import to Procreate

1 Tap the wrench icon in the top-left corner to open the *Actions* menu.

2 Then tap *Insert a photo*.

3 Select your photo from the image library.

4 Tap the arrow icon in the top-left to enter *Transform* Mode.

5 Use the transform nodes to adjust the size and placement of your image.
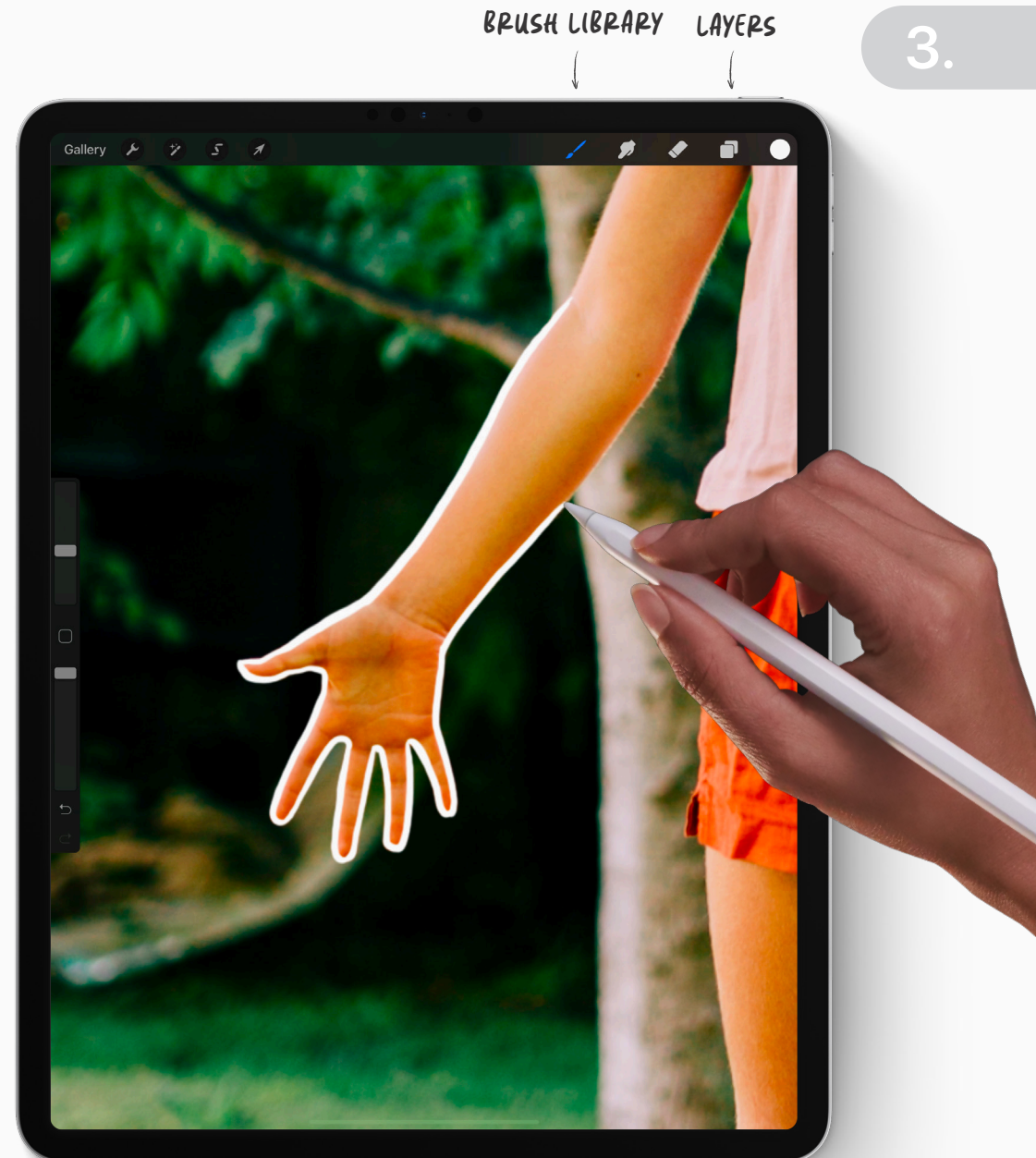
Trace your shape

Your body

Trace around the shape of your body to create a silhouette that your illustrations can sit on top of.

1 Tap the *Layers* icon in the top right-hand corner.

2 Tap the *+* icon to create a new layer.

3 Tap the brush icon to open the *Brush Library*.

4 Tap *Inking*, and then *Technical pen*.

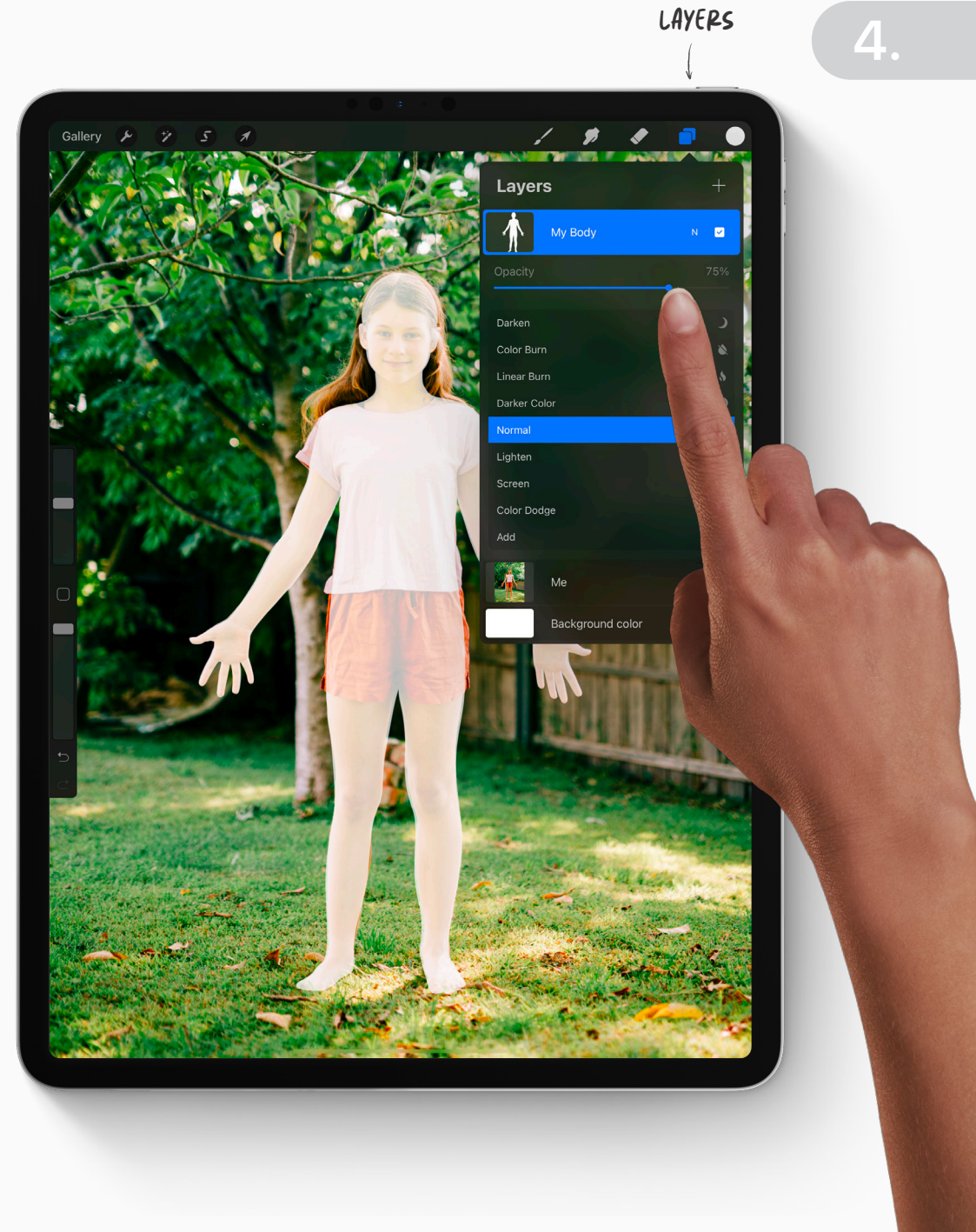*5* Trace around your body creating an outline.

DRAWING TIP

If you're wearing baggy clothes or a skirt, try and trace where you know your limbs go, not around your clothes.

BRUSH LIBRARY   LAYERS

ColorDrop

1 Drag your selected color to fill the outline of your body.

2 Tap the *Layers* icon in the top right-hand corner.

3 Tap the *N* icon on your silhouette layer.

4 Drag the opacity down so you can see yourself through the shape.

About me

Who am I?

Hide your silhouette layer for now, and on a new layer spend some time illustrating the things that made you and your body unique.

TIP

You might like to find a friend to help you measure your height using the *Measurement* app.
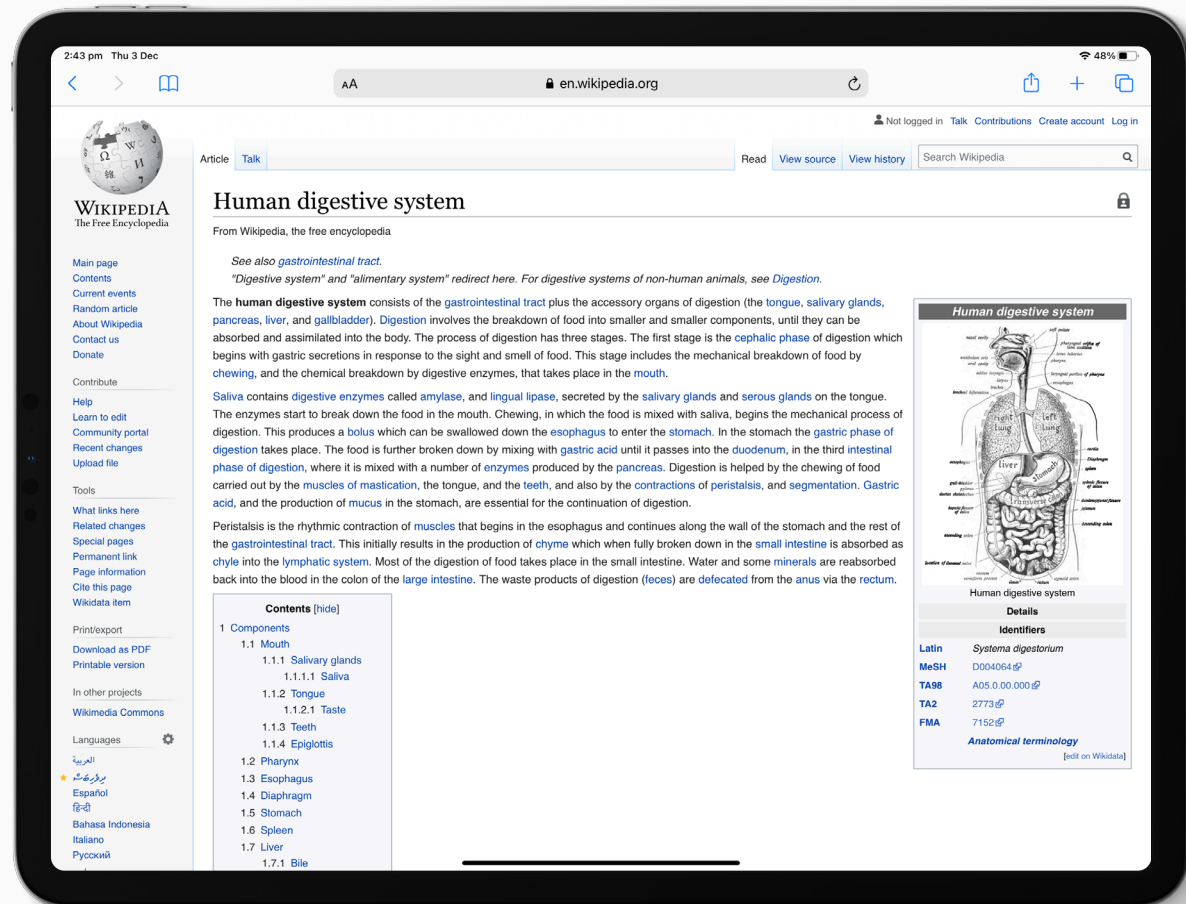
Research

Investigate

Spend some time using Safari to research the different systems in your body, making notes as you go.

Some terms to help your get started in your research are:

❋ **Nervous system** – the conductor of the body

❋ **Respiratory system** – how oxygen gets around your body

❋ **Circulatory system** – how blood transports nutrients around your body

❋ **Skeletal system** – all the bones and joints in your body

❋ **Digestive system** – how food and liquids travel through your body

❋ **Muscular system** – how your body moves

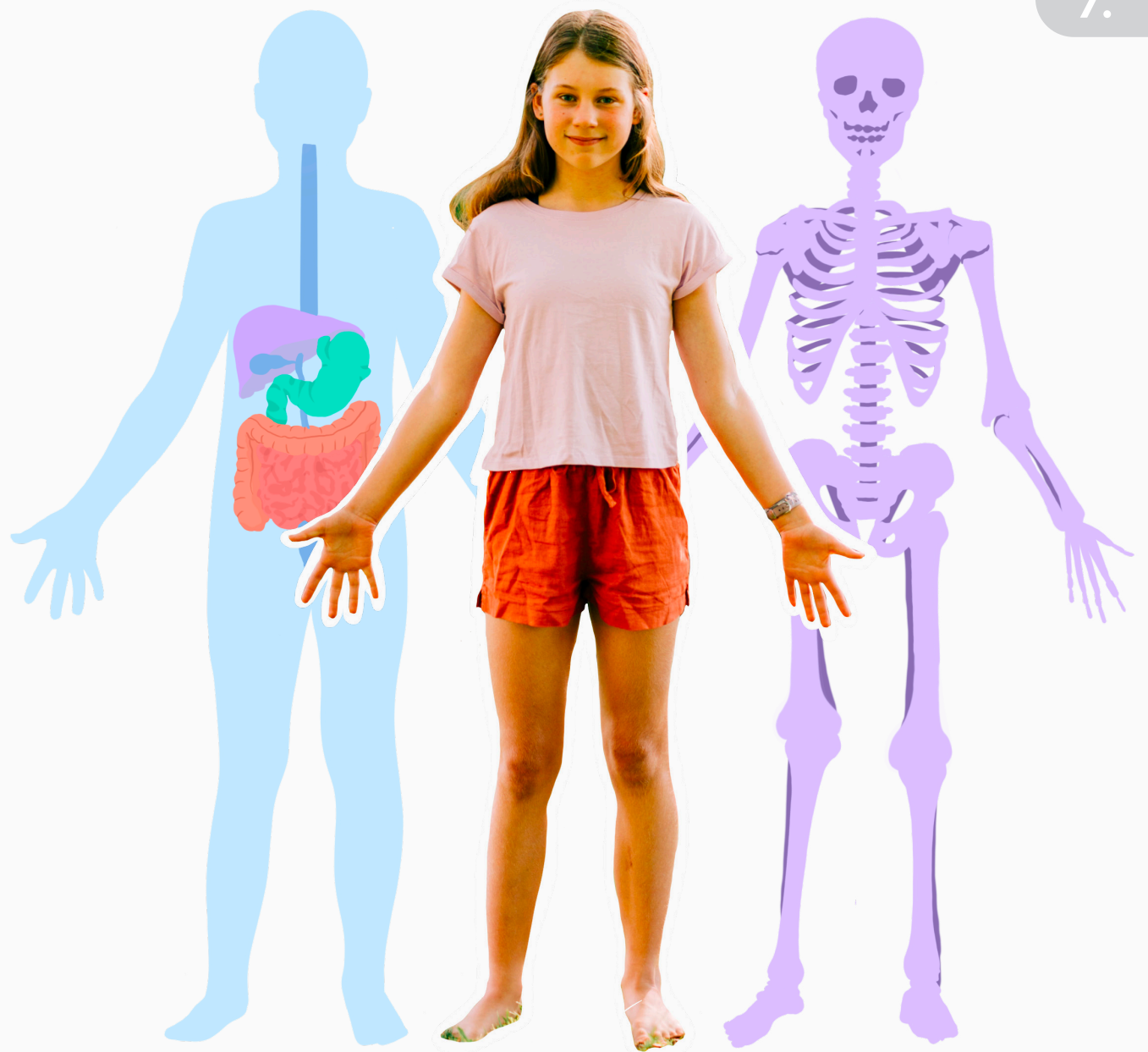Safari

Systems of the body

Getting started

Draw a digram of each of the body's systems that you research on a new layer, over the top of your silhouette.

EVERY BODY IS UNIQUE

Think about your diagrams and research in relation to your own body.

Is there anything you notice about the way your muscle move, how you digest food, or breathe? Feel welcome to include these observations too.
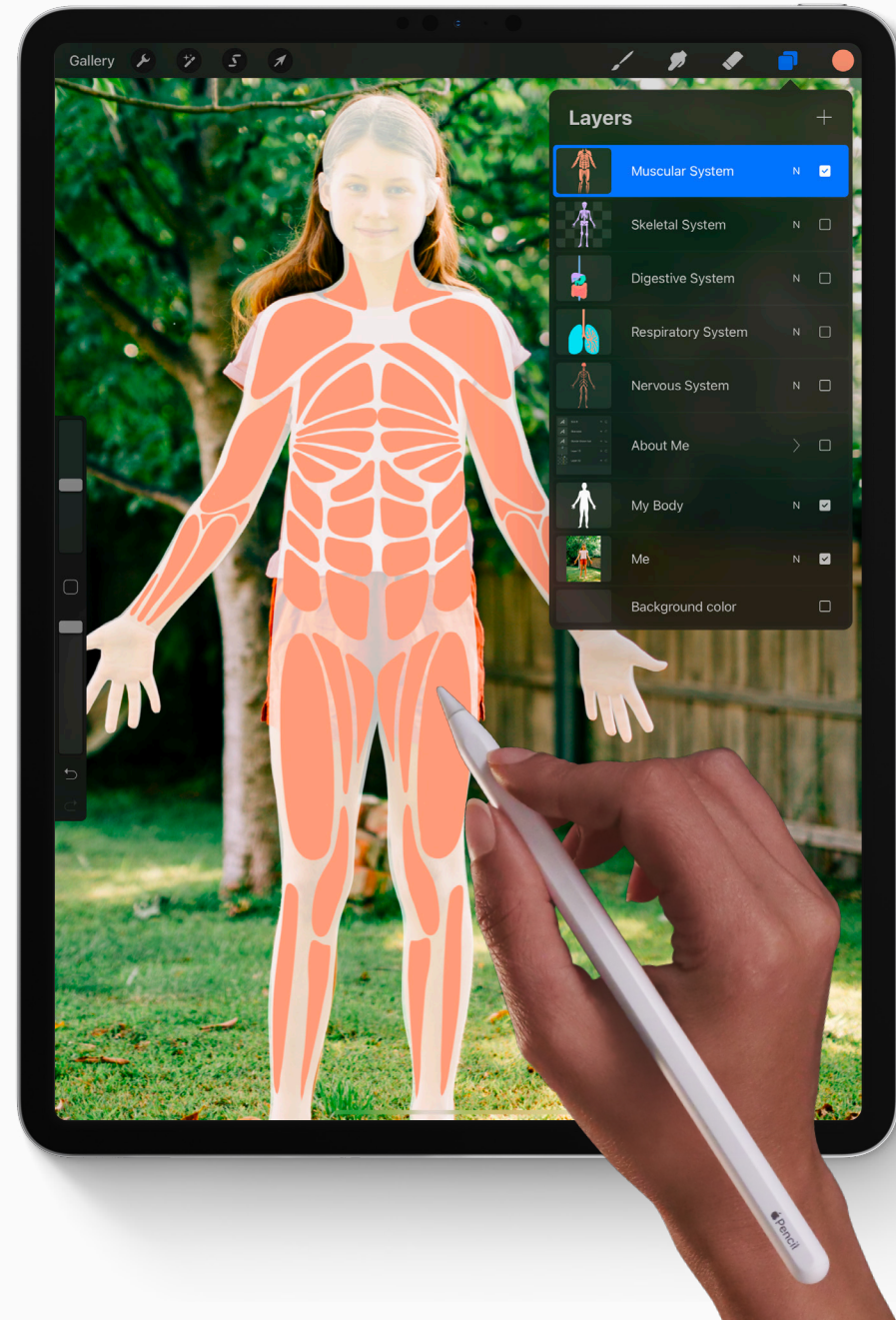
Drawing tips

COLOR

Think about how you might use color to highlight different organs and body parts – the colors you use don't have to be life-like.

PROCESSES

You can use arrows and lines to highlight how the body's different processes work. e.g. how air moves in and out when you breath, how food moves through your digestive system.

KEEP IT SIMPLE

Don't put pressure on yourself to include too much detail, or make your drawing completely realistic. Try to capture the essence of each system so that you can combine this with writing to tell the full story.
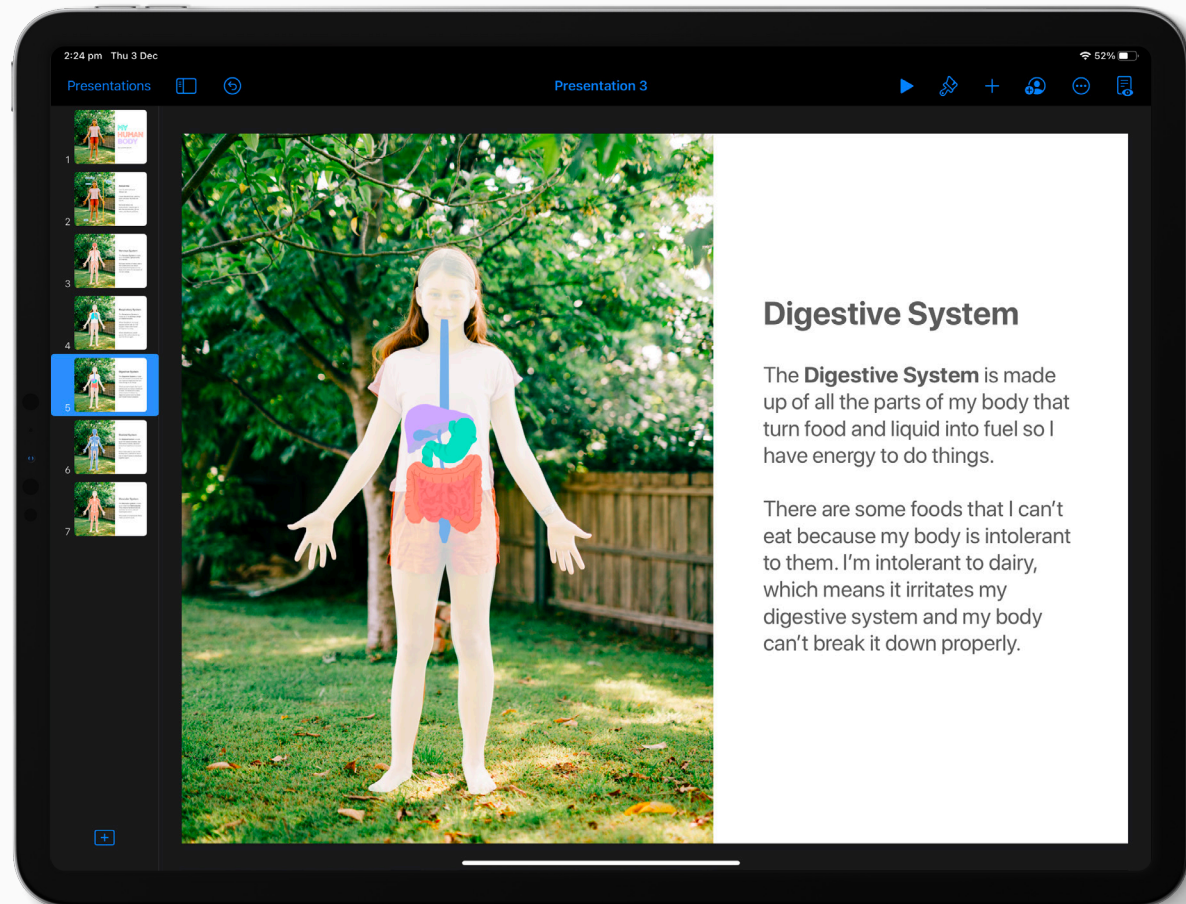
Taking it further

Bring it all together

Use *Keynote* to present your work in a presentation summarizing your illustrations and research.

Keynote

Multitasking

To enter Multitasking mode and use two apps at once, swipe up from the bottom of the screen to open the Dock while in Procreate.

On the Dock, touch and hold the *Keynote* app. Then drag it off the Dock to the left or right edge of the screen.

Drag-and-drop

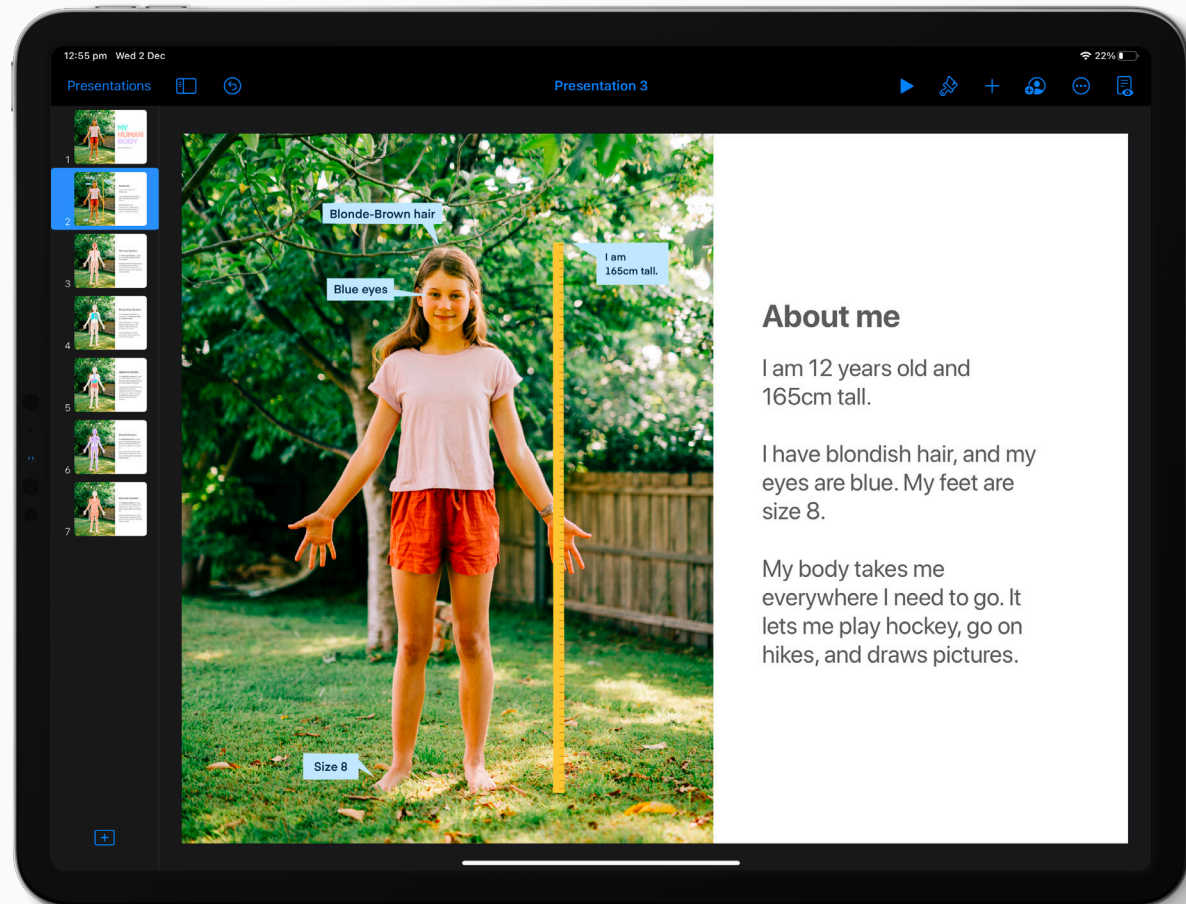Drag your layers straight from the layers panel in Procreate into your *Keynote* slides.

You can put multiple layers on top of each other in *Keynote* to get the same layered effect that you had in Procreate.
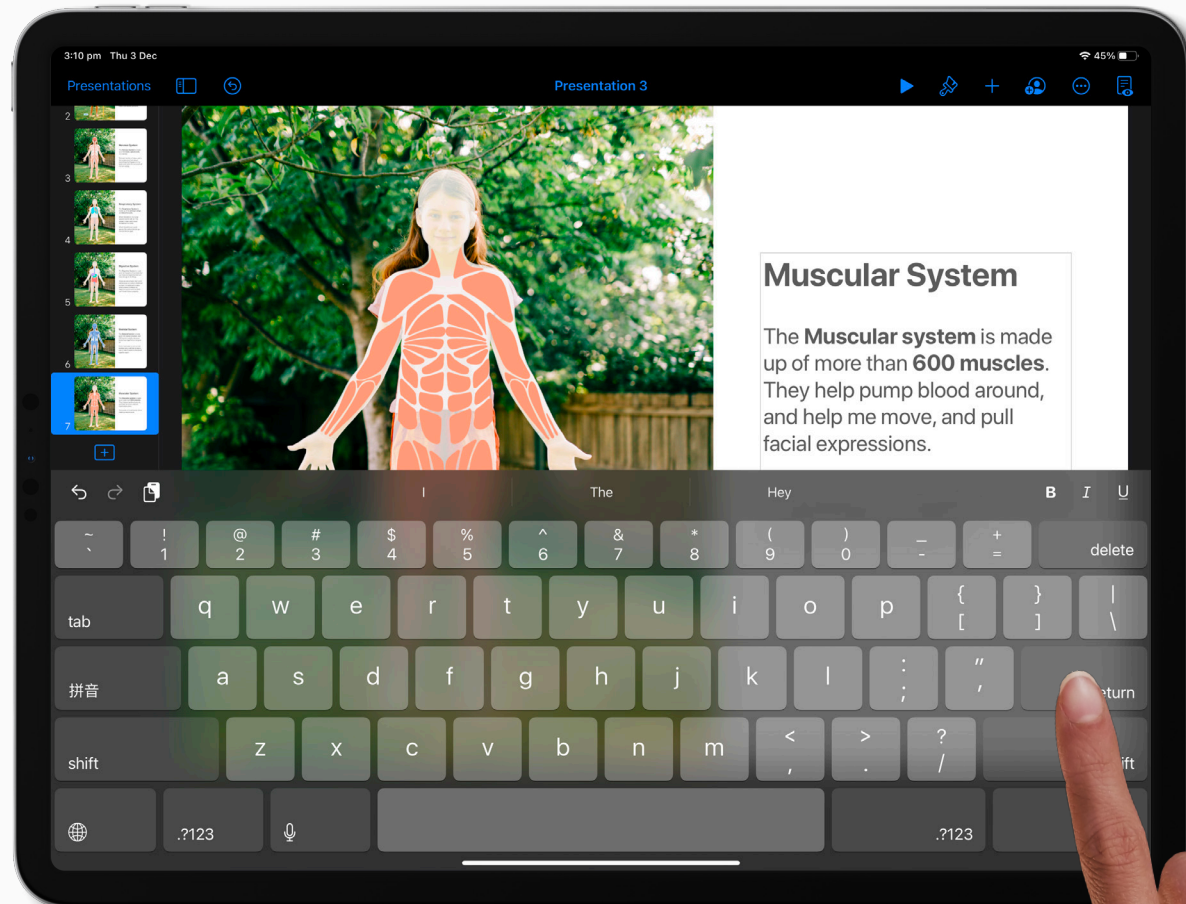
Write it all down

Start by creating a slide that's all about you. Add your 'About me' image you drew earlier.

✳ What are the things that your body allows you to do?

✳ How tall are you?

✳ What are you good at?

Summarize your research findings

On the following slides, use your own words to summarize the systems of the body that you illustrated.

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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