# Life on Mars

**DESIGN**  **SCIENCE**

Learn with

**Pro**create®

# Lesson ideas

Use these Lesson Ideas to spark
your imagination for using Procreate
in the classroom.

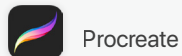Feel free to take them further
and make them your own.

# Life on Mars

## Design a city on Mars

Imagine what life on Mars could be like. Use your own research and remember - no idea is too crazy!
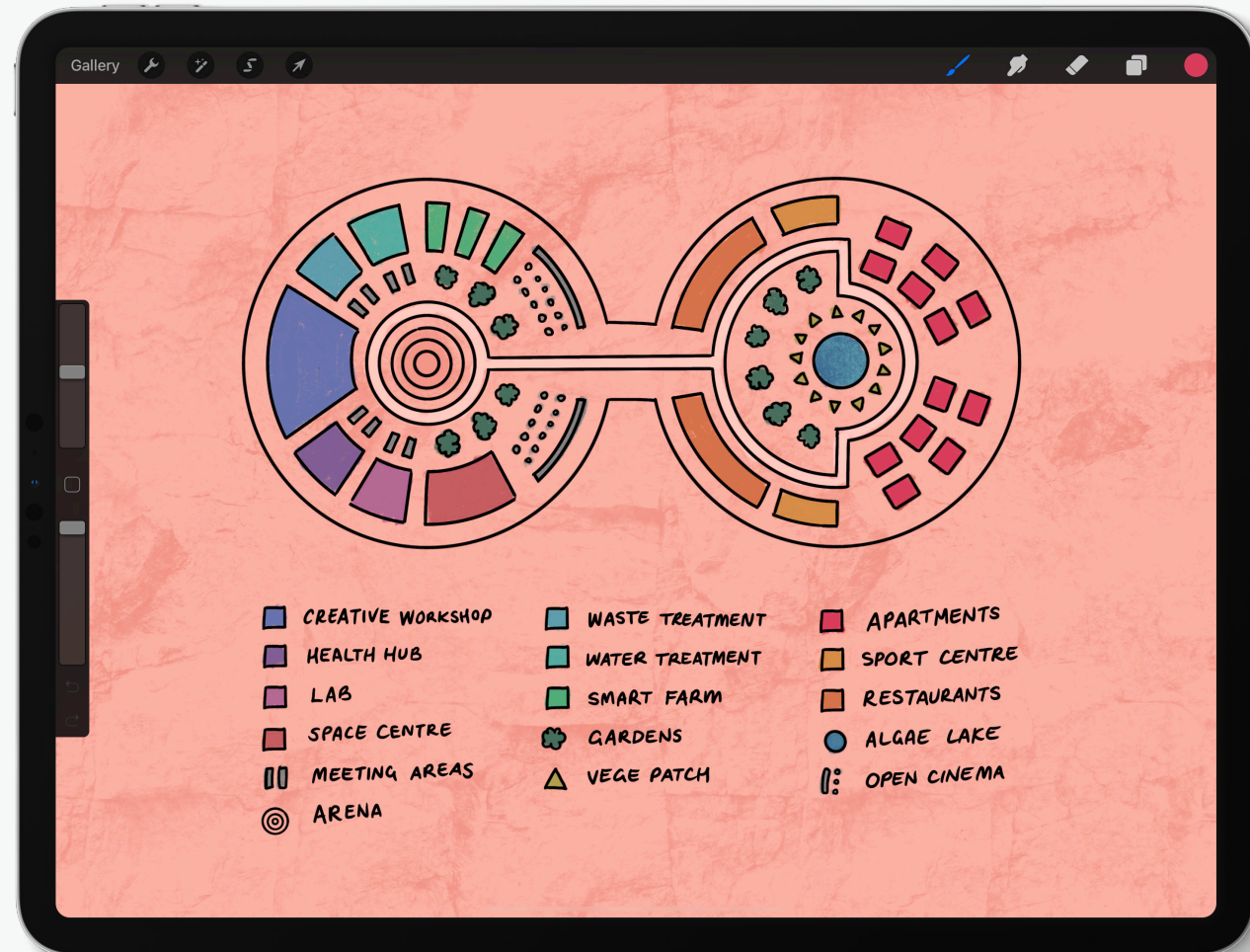
All you need is an iPad and:
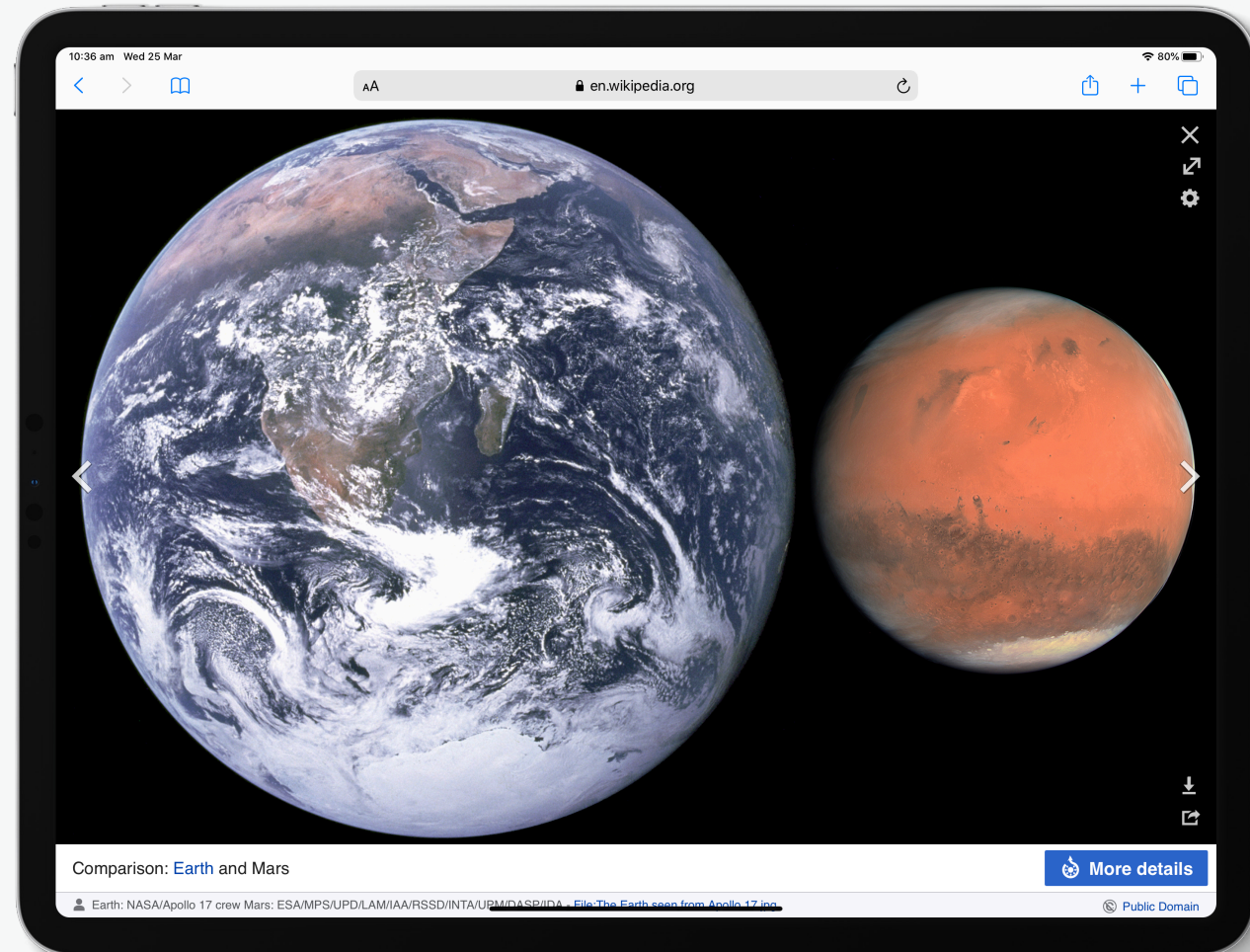
- Procreate
- Safari
- Pages
- Keynote

# Explore Mars

## Take time to research

Use the *Safari* app and research what life could look like on Mars.

**THINK ABOUT**

* How is Mars different from Earth?

* What do these differences mean for your Mars city?

* What could you do to make Mars an amazing place to live?



Comparison: Earth and Mars

**More details**

Earth: NASA/Apollo 17 crew Mars: ESA/MPS/UPD/LAM/IAA/RSSD/INTA/UPM/DASP/IDA · File:The Earth seen from Apollo 17.jpg · Public Domain

Safari

# Brainstorm Ideas
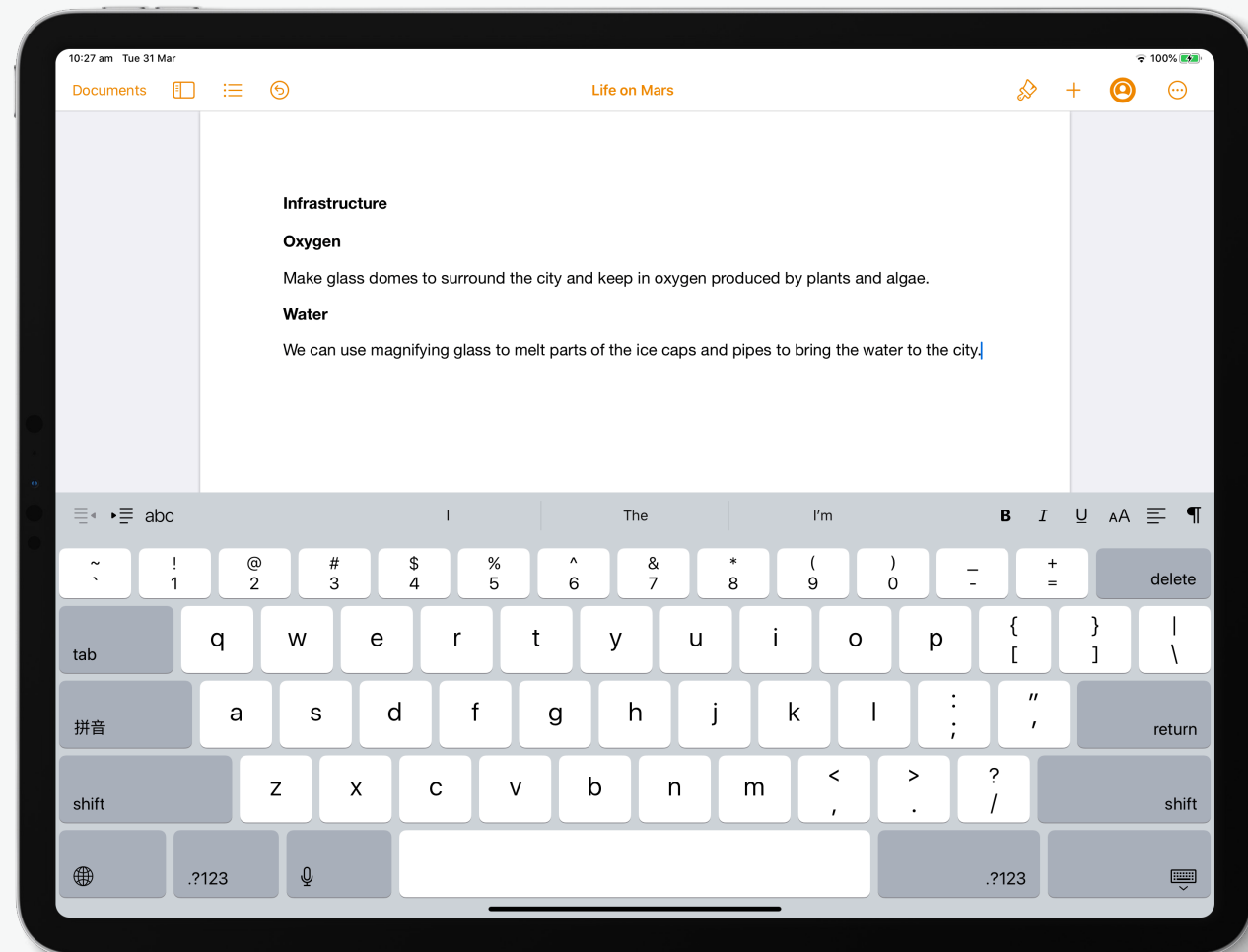
## Prepare to draw

Wild ideas are welcome here. Brainstorming is all about creating ideas, so nothing is too 'out there'.

### THINK ABOUT

1 **Infrastructure:** How does your community access oxygen, water, food, education, transport and energy?

2 **Housing:** What do your houses or apartments look like? How are they protected from dust and radiation?

3 **Fun:** How does your community enjoy life? Do you want movie theaters, theme parks, restaurants or cat cafes?
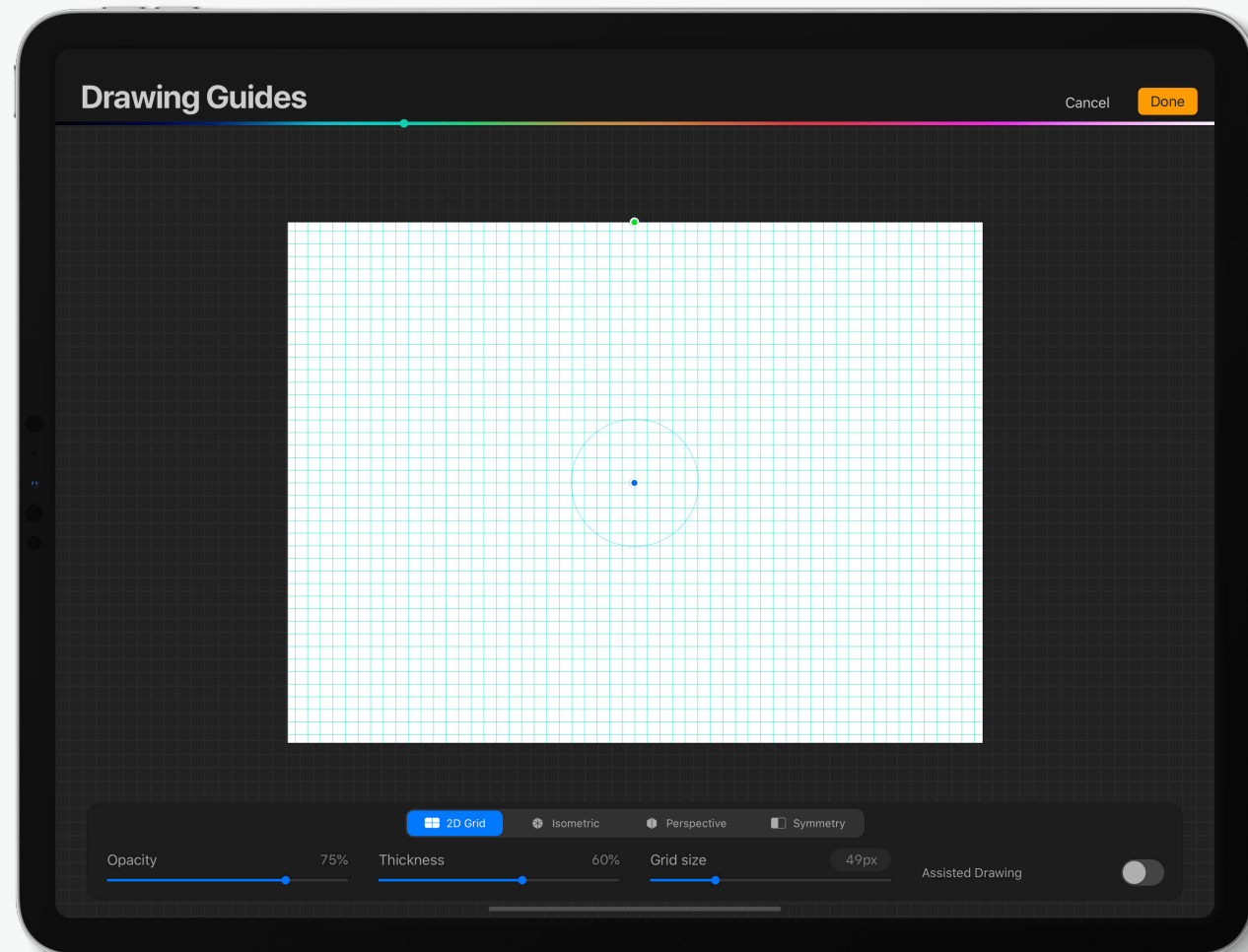


Pages

# Create a canvas

## Prepare to draw

Create a canvas with Procreate's handy Drawing Guide to help you structure your city plan.

### LAYER TIPS

*1*    Open the *Procreate* app and select the + in the top right to create a new Screen Size canvas.

*2*    Tap the *Eraser* icon to erase. We recommend *Round Brush* under *Painting* for clean erasing.

*3*    We recommend a *2D Grid* with a Grid size of around 50px. Click *Done*.
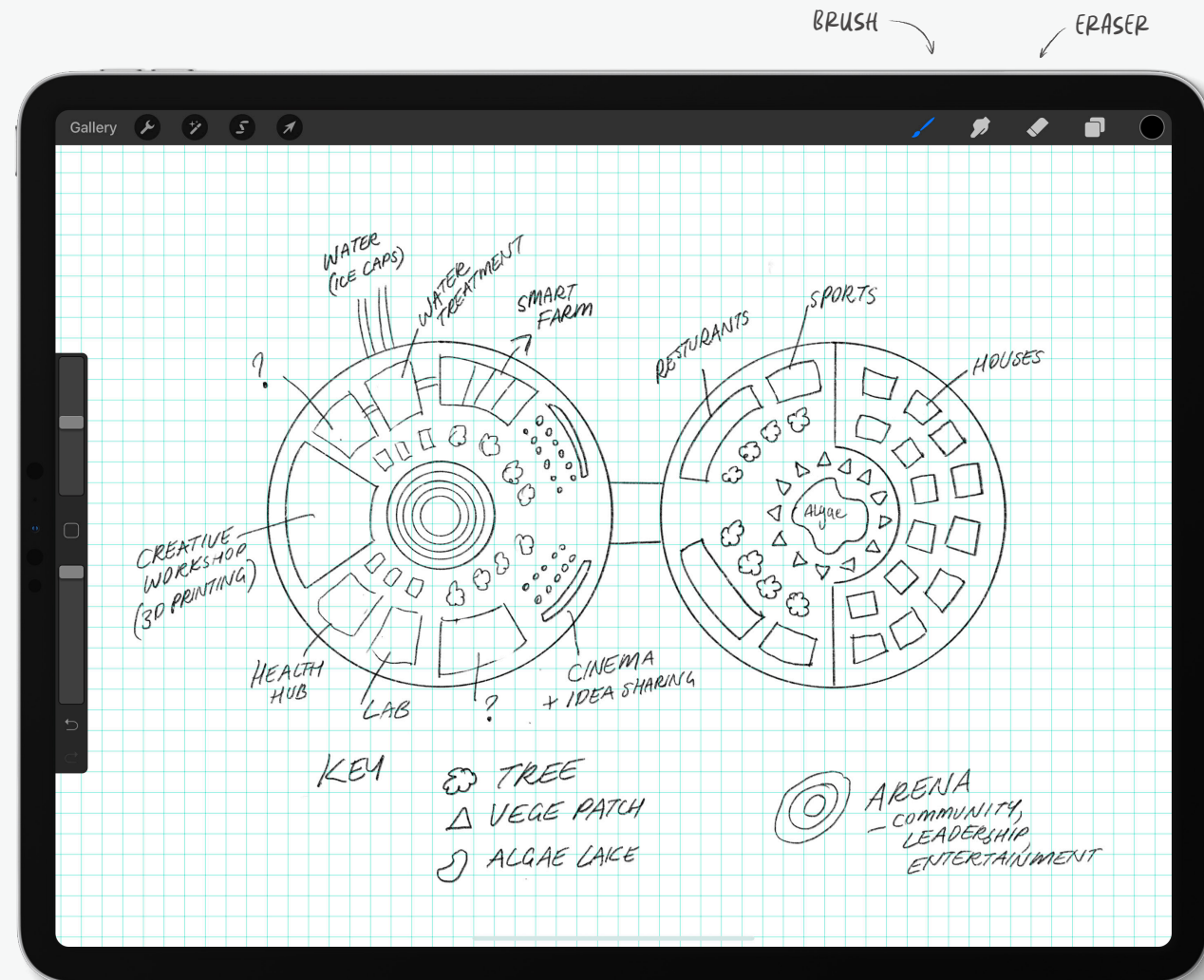


Procreate

# Create a draft

## Get your ideas down

Get your ideas onto the canvas. Don't worry about it being perfect, as you will erase, change and move things around as you go.

### LAYER TIPS

✳ Tap the *Brush* icon to select brush. We recommend *HB Pencil* under *Sketching* for this draft.

✳ Tap the *Eraser* icon to erase. We recommend *Round Brush* under *Painting* for clean erasing.
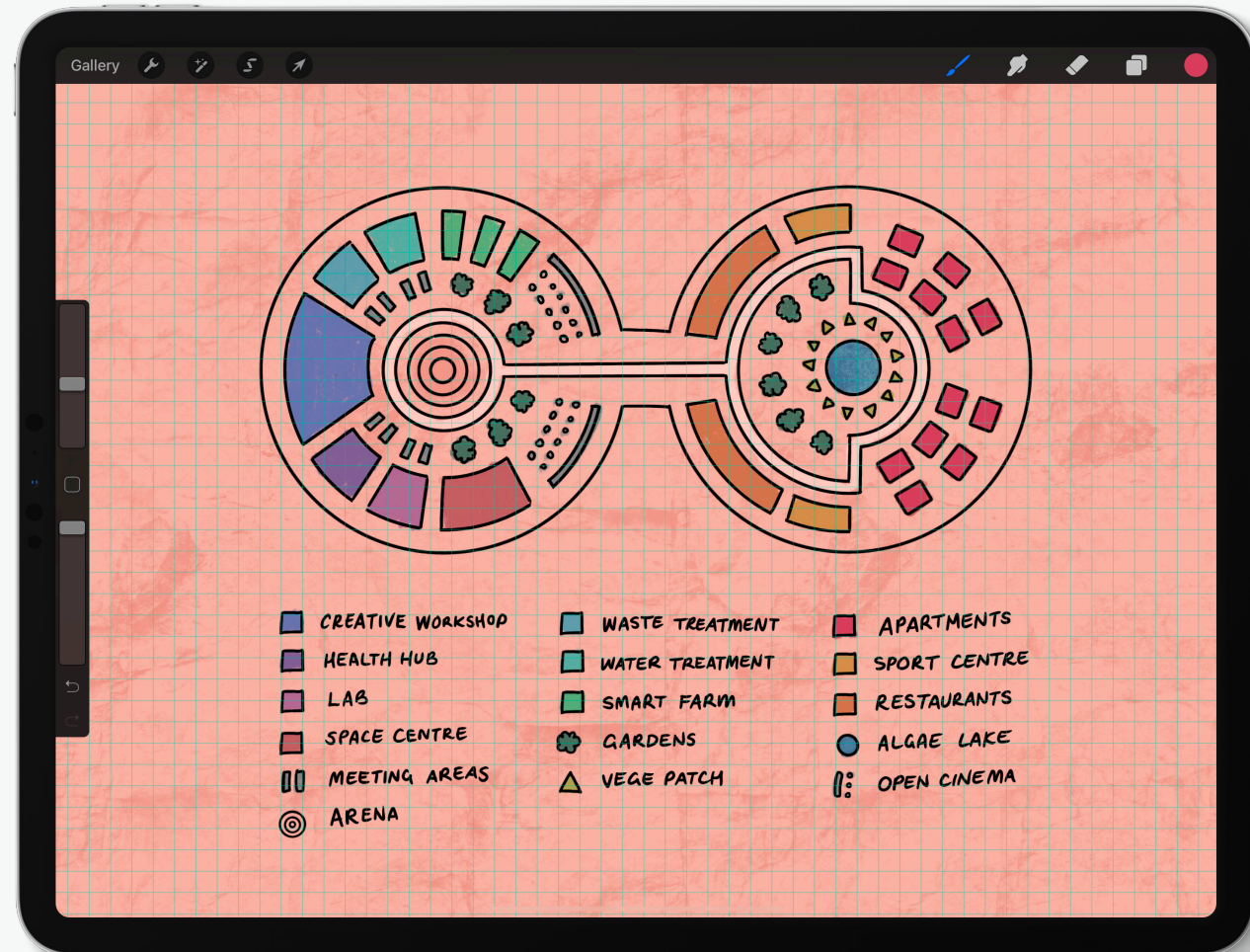
✳ Don't forget two finger tap to undo!

# Complete

## Polish your plan

Now you have a draft city plan, it's time to give it some clear lines, color, and expression! Find tips on the following pages.



**Legend:**
- CREATIVE WORKSHOP
- HEALTH HUB
- LAB
- SPACE CENTRE
- MEETING AREAS
- ARENA
- WASTE TREATMENT
- WATER TREATMENT
- SMART FARM
- GARDENS
- VEGE PATCH
- APARTMENTS
- SPORT CENTRE
- RESTAURANTS
- ALGAE LAKE
- OPEN CINEMA

# Drawing tips

ADD LAYER (+)

SEPARATE LAYERS

Keep your layers separate,
so you can easily change
or erase color without affecting
the outline, for example.

HIDE LAYER

Tap the tick to
hide or show layer.

**Layers**
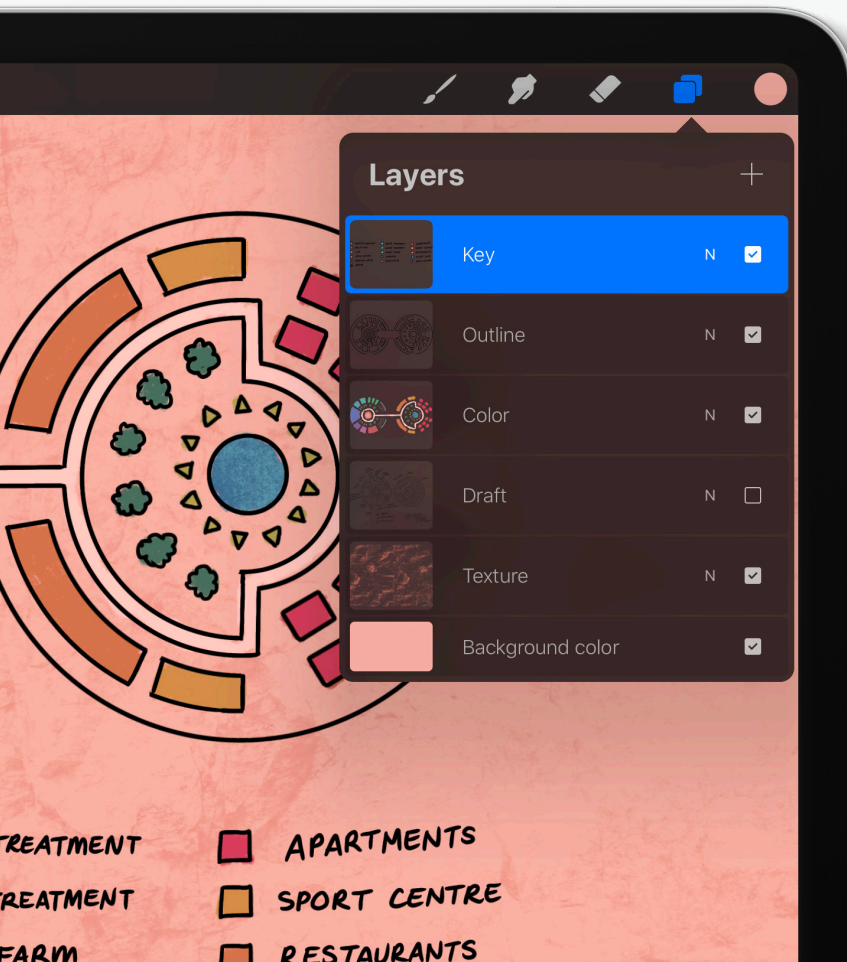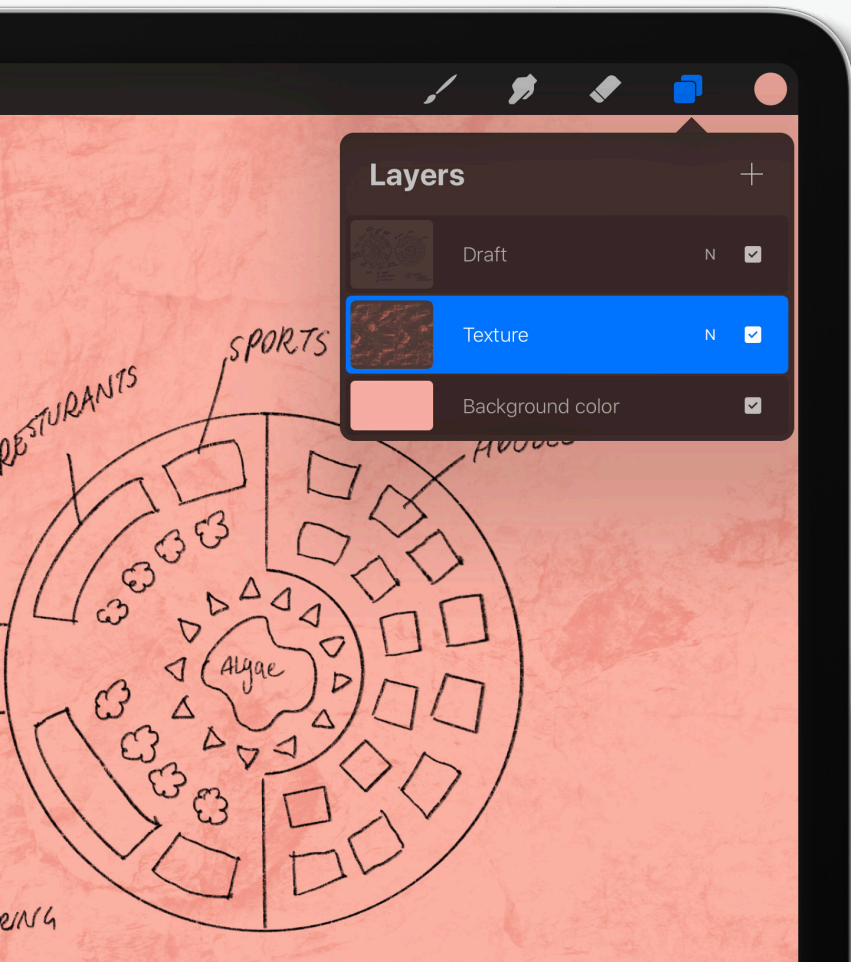
Key

Outline

Color

Draft

Texture

Background color

## Love your layers

Digital art uses layers that are stacked.
You can paint, erase, edit and rearrange
layers individually, without ruining what
you have already done.

For more tips on layers, see our Beginners
Guides at education.procreate.art

# Drawing tips

**Layers** +

Draft · N · ☑

Texture · N · ☑

Background color · ☑

## TEXTURE

Tap the Brush icon to select a brush. Find a nice textured brush - we have used Spires under Organic here.

## OUTLINE

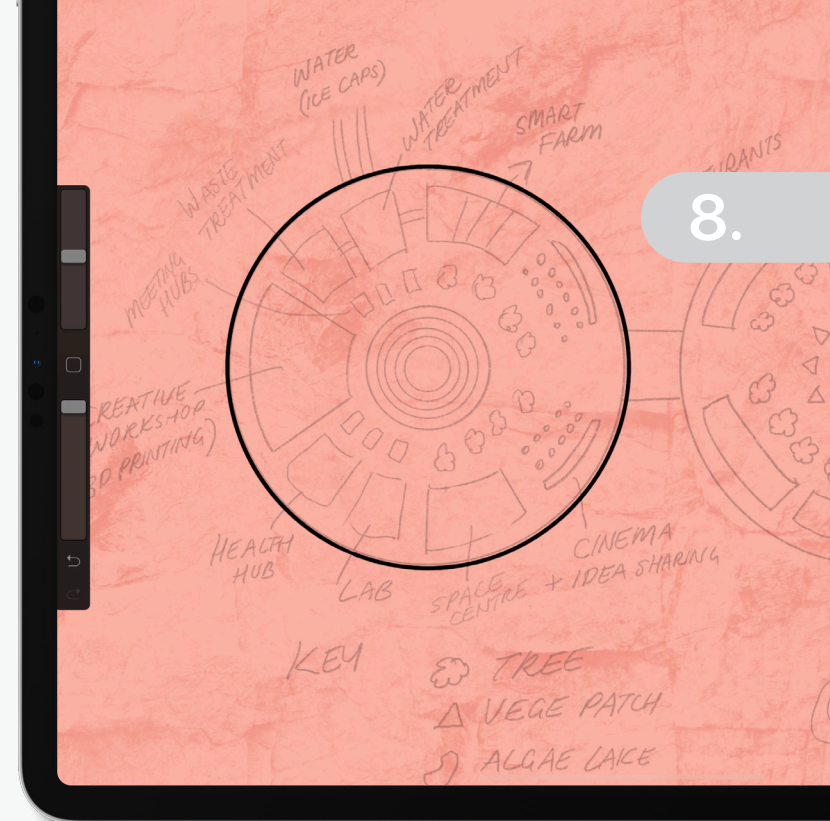Tap the + icon in the Layers panel to create a new layer for your outline. Try using one of the Inking brushes

## BACKGROUND COLOR

Choose a color by simply tapping *Background color* and selecting a color.

## OPACITY

Make your draft plan transparent, so you can use it as a reference. Just tap the layer with two fingers and drag your finger across the canvas to adjust.
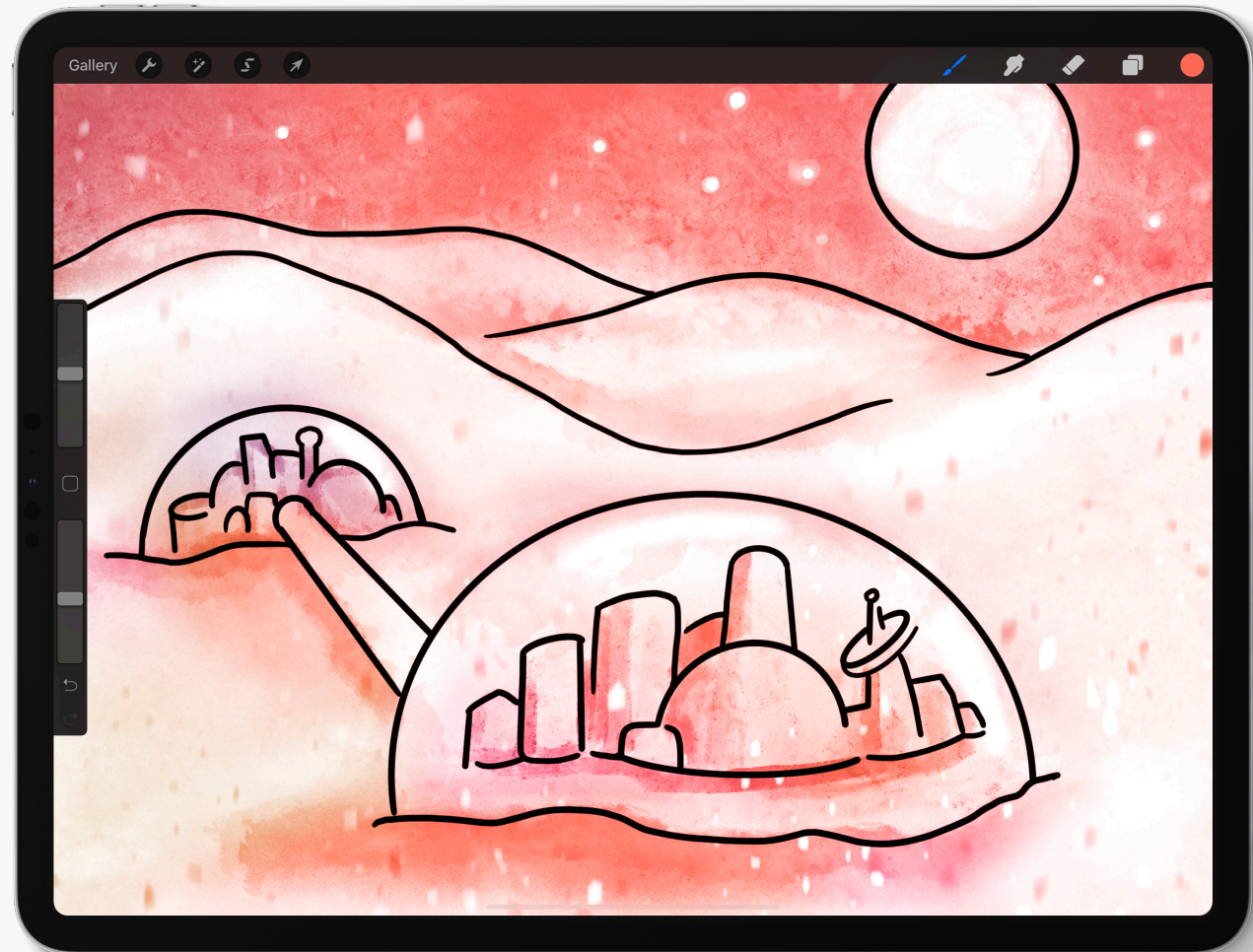
# Take it further

## Do an artistic sketch

Draw your city from another perspective, or sketch your transport ideas - rovers or hovercrafts?
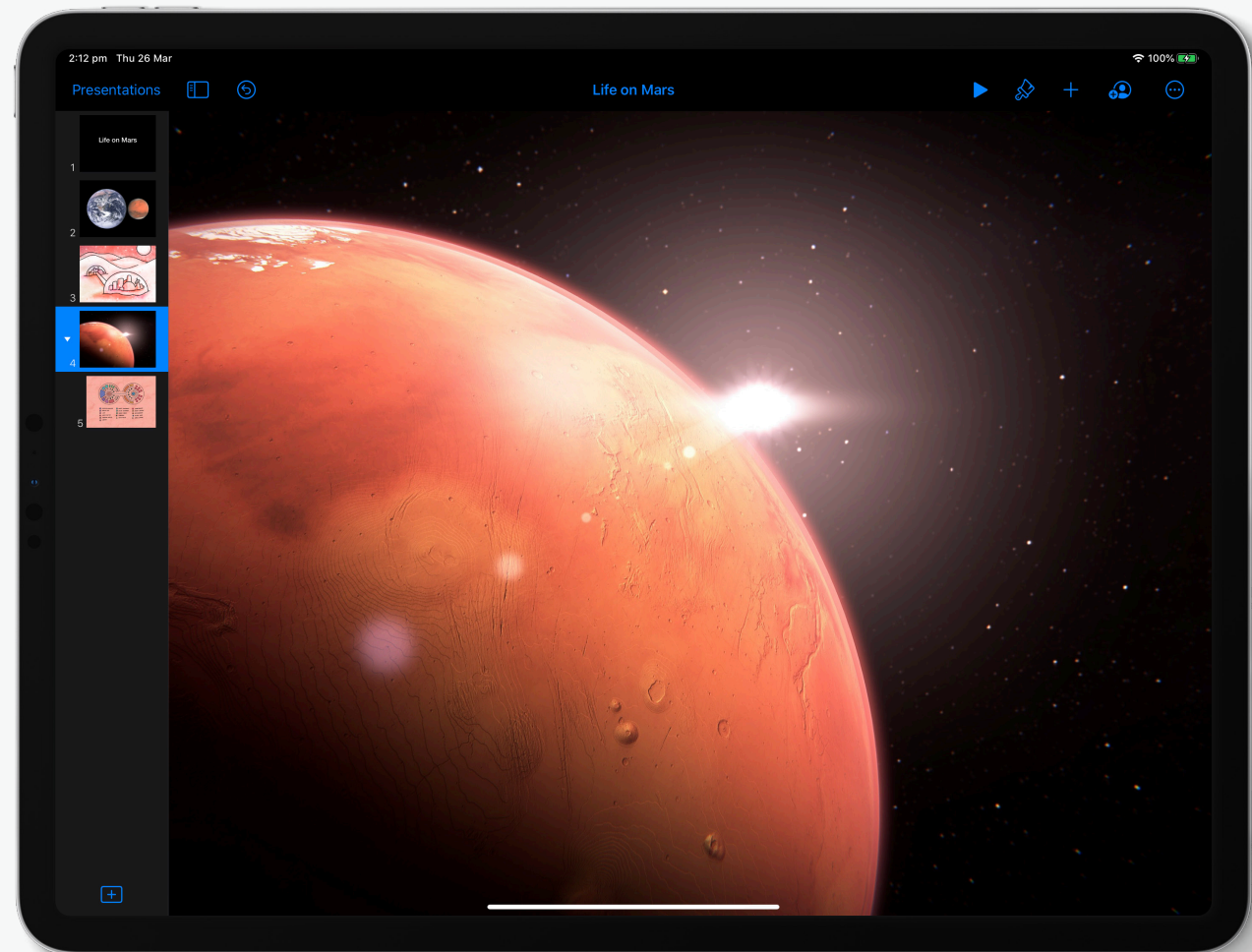
# Share your work

## Create a presentation

Bring your art into the *Keynote* app and make a presentation to share with your class about how you would create life on Mars!



Keynote

# Create

Artistic expression helps make education meaningful, memorable and fun. Find more creative lesson ideas at education.procreate.art

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

Learn with
**Pro**create®