

SAMSUNG

**Solve for Tomorrow:
Next Gen**



The Design Thinking Idea Builder



Sprintbook

13-15
years

Welcome to Samsung Solve for Tomorrow

A unique competition for change makers like you!

Introduction

Samsung's **Solve for Tomorrow: Next Gen** is a competition challenging you to take on the future — one idea at a time. We're asking you to come up with an idea using tech to do good for the planet. Remember, today's ideas are tomorrow's sustainable solutions. We want to hear yours!

How to enter

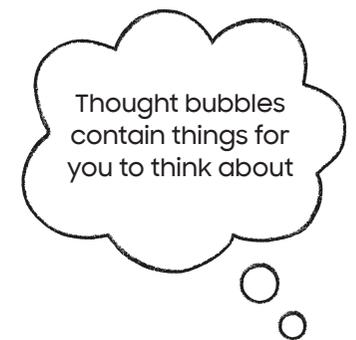
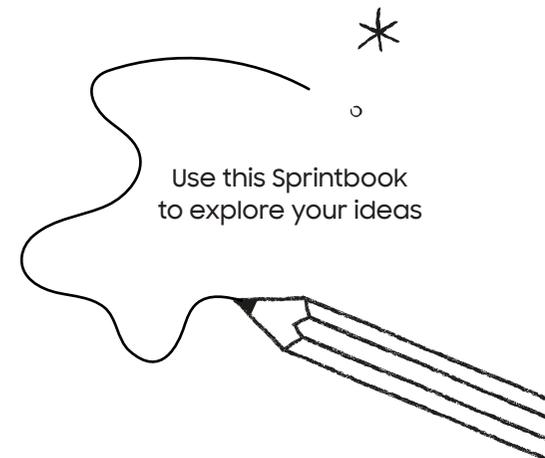
- 1 Work through this Sprintbook to develop an idea that uses tech to create a brighter future.
- 2 You can enter the **Solve for Tomorrow: Next Gen** competition as an individual or a team of up to three.
- 3 Submit your solution using the entry page 11 to win tech prizes and earn a digital badge or certificate.

Why enter?

Along the way you'll develop your problem-solving skills, critical thinking skills, teamwork, and creativity. You'll use design thinking to come up with tech ideas that will help create a better planet for future generations.

What's Design Thinking?

Design thinking is a powerful tool for solving problems. It's used by tech companies like Samsung to create innovative products. All you have to do is watch the video and complete the tasks in the Sprintbook to come up with a world-changing idea. **Good luck!**

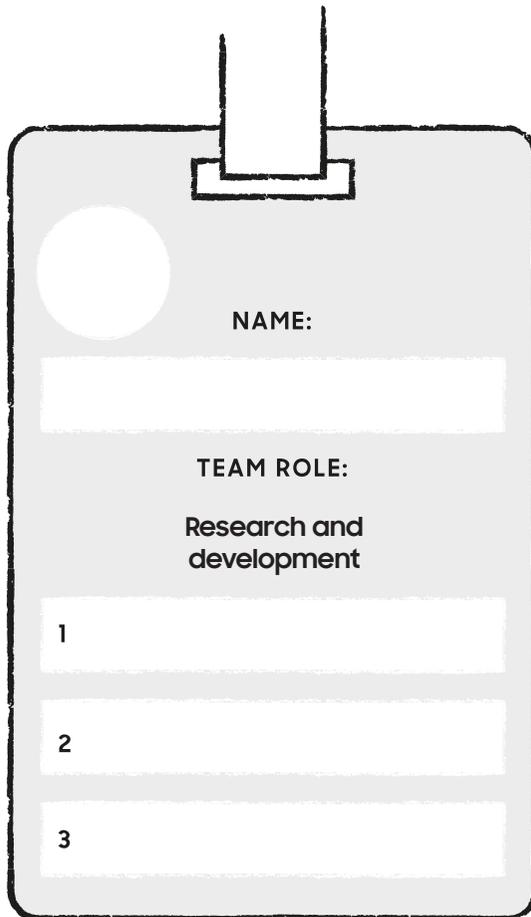


Task 1 Build your team

🕒 1 min

Pick a role that plays to your strengths.

Write three skills you think you could bring to your team.



NAME:
[]

TEAM ROLE:
Research and development

1 []

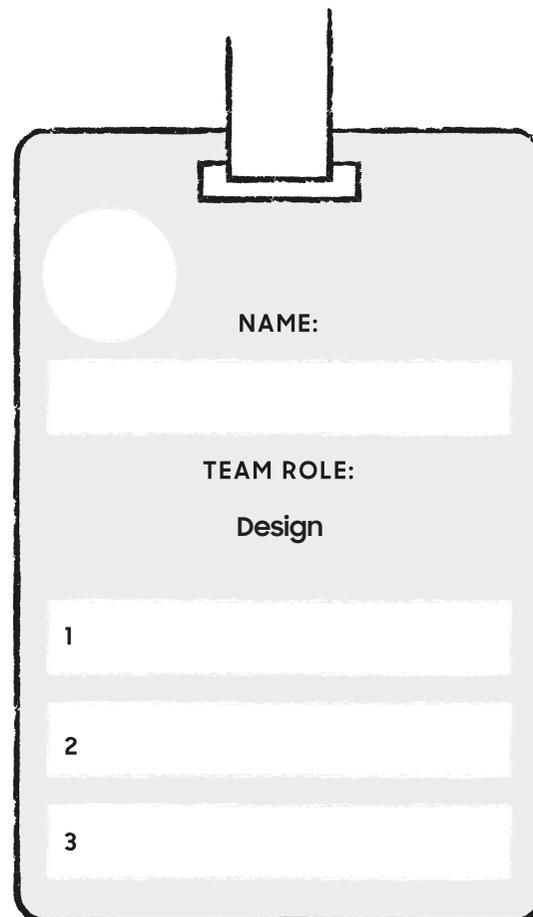
2 []

3 []

Research & Development

Problem solver? Life-hacker?
Got a way round, a backdoor or
a bit of code that helps you do
what you want?

This role is for you.



NAME:
[]

TEAM ROLE:
Design

1 []

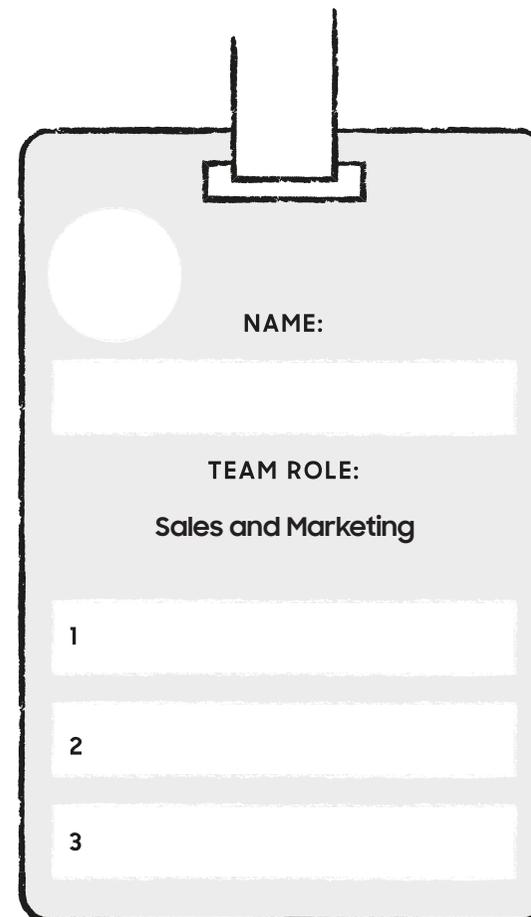
2 []

3 []

Design

Got creative flair? An eye for
detail? Is your style what sets
you apart from the crowd?

This is your go-to.



NAME:
[]

TEAM ROLE:
Sales and Marketing

1 []

2 []

3 []

Sales and Marketing

Got the gift of the gab? Can you
get your own way and convince
people your idea's the best — even
if it's just where to go for lunch?

Pick this.

Employability Skills

- Communication
- Problem solving
- Collaboration
- Creative thinking
- Analytical skills
- Attention to detail
- Leadership
- Technical skills
- Understanding of social media
- Resilience
- Perseverance

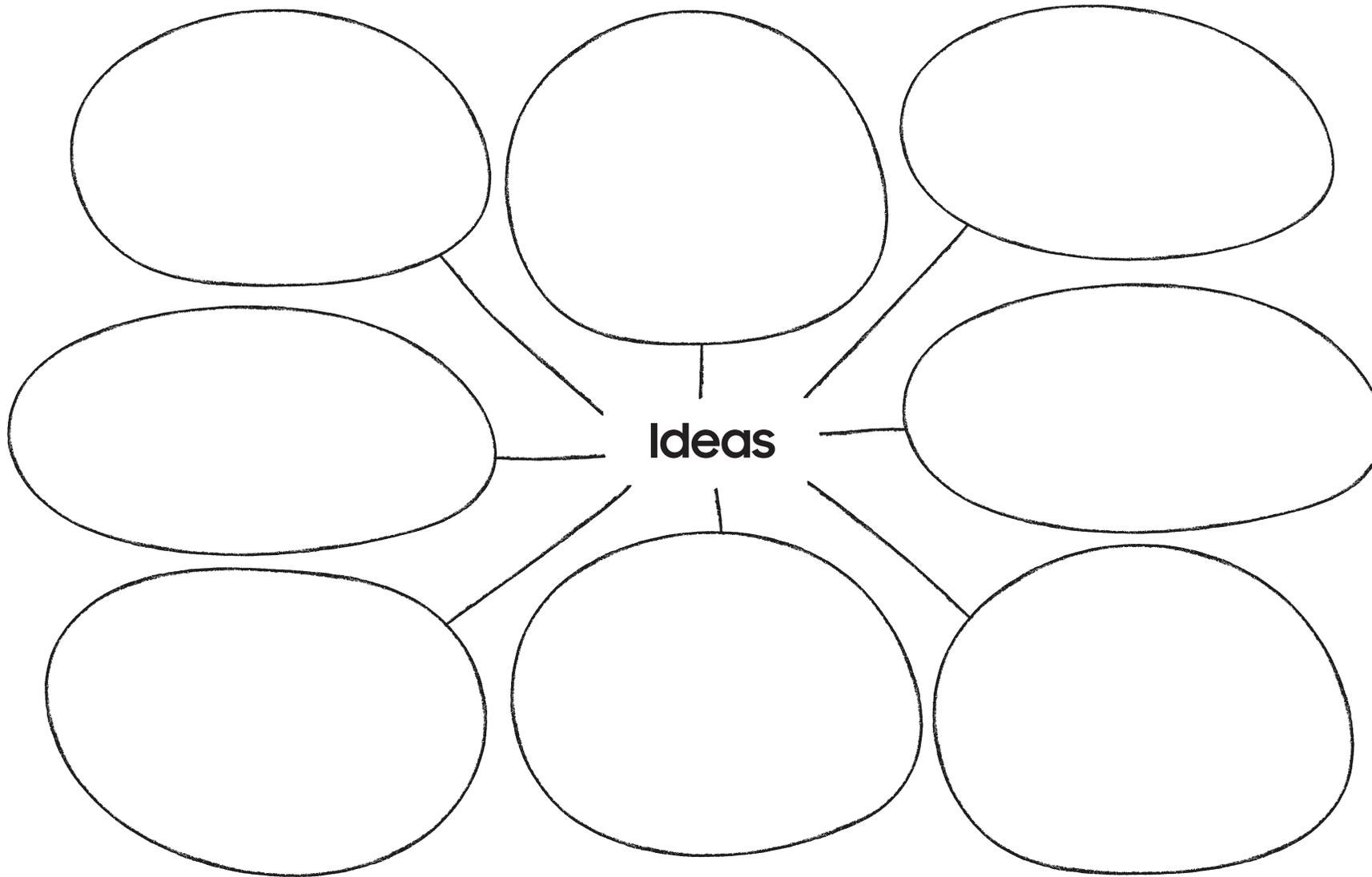
What is the most valuable skill for your role?

Task 2 Ideate

🕒 1 min

Think of ideas for upcycling a mobile phone.

You have 1 min to come up with lots of different ways to upcycle your device.



Top Tips

- Write every idea down
- Every idea counts
- Encourage everyone to join in
- Build on each other's ideas

What are the different parts of a phone?
How could you reuse them?

Task 3 Identify your problem 1 min

Decide on one environmental problem to solve for the future. How could technology solve these problems?

01

Reduce food waste

02

Help us save energy

03

Inspire us to upcycle waste

04

Protect animals or conserve habitats

05

Create environmentally friendly future farms and products

Which issue affects you and your community the most?

Which problem have you chosen to solve?

Why is this an important problem to solve?

Task 4 Design a solution

🕒 4 mins

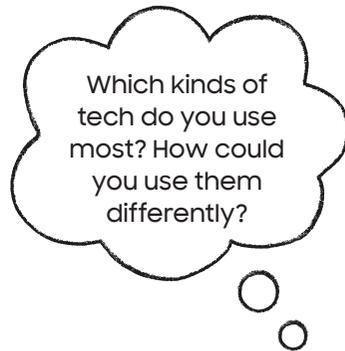
You've done your research. Now it's time to develop. Follow steps 1 and 2 to develop your solution.

Step 1:

Come up with as many tech solutions as you can that solve your sustainability problem. Write them on the post-it notes.

Step 2:

Choose one idea to take forward.



Stuck for a tech solution?

- Make a 'smart' household object – how does it save energy?
- Tech for green travel – walk, bike or something new?
- Use AR or VR – could you link it to sustainability?
- An eco app that helps consumers make greener choices – what are they?
- An animal smart collar – how could it help the planet?
- Design an energy-saving device – what could it be?



Task 5 Design a prototype

 3 mins

Create a prototype. Speed sketch your solution.
Don't worry about perfection. Just get your ideas out of your head and down on paper.

What is your product?

How does it solve the problem

What's the outcome of using it?

Who is your target audience? Why will your product appeal to them?

Task 6 Market your idea

🕒 5 mins

You need the world to believe your idea. Combine pictures and words to show off your design. **Create a social media advert.**

How does this Samsung ad appeal to consumers?



Create an engaging advert for your product here



What makes your product unique?
Why will people want to use it?

Get inspired!

Sometimes others' ideas can spark your own. Research the latest uses of tech for good. Talk to friends and family — how do they imagine a better world? **Here's some incredible ideas using tech for sustainable solutions.**

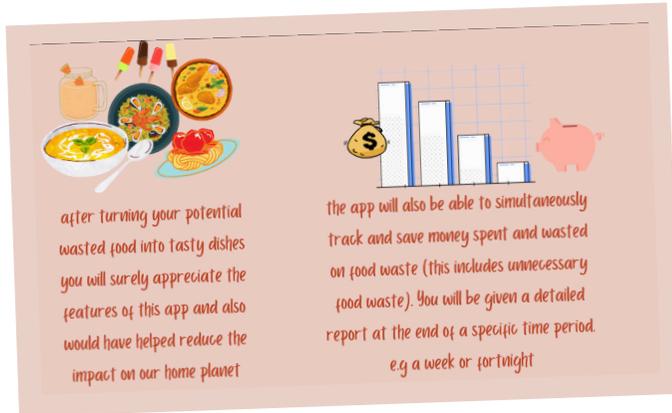
Last Year's Next Gen winners

1st prize

Amina Zaman, 15, Manchester

Waste Me Not

A smart bin that allows users to calculate how much waste has been thrown away, provide reports, and generate reward coupons when waste is reduced.



2nd prize

Bijou Baidoo
15, Manchester

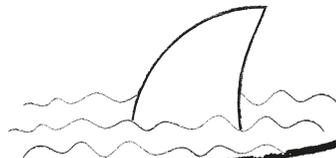
A food waste drone concept that delivers excess food from restaurants to the homeless.



3rd prize

Milan, Zac, and Deep
all 15, Swindon

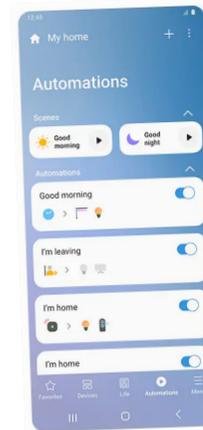
A 'smart shark' that collects rubbish in the ocean.



Real world tech solutions



Samsung's **Wildlife-watch** repurposes old smart phones as digital cameras to watch and protect endangered animals.



The **Samsung SmartThings** app allows people to monitor their energy usage in order to save money and reduce their carbon footprint.



Samsung SolarCell Remotes have a built-in solar panel that can be charged through sunlight or indoor lighting. This will eliminate more than 200 million batteries from landfill.

Competition Roadmap

Get heard

We believe that everyone can be a changemaker with the right opportunities — and we want to find great ideas that can use tech to make a brighter future.

START!

Can you think of a way we might use tech to...

Create future farms and environmentally-friendly produce?

Reduce food waste?

Help save energy?

Inspire us to upcycle rubbish into something we want, need or love?

Protect animals or conserve habitats?

1. Get thinking

Here are some questions to get you thinking and solving problems!

- How can everyone have a smart home?
- How can people become more aware of their carbon footprint?
- How can we get the world to upcycle?
- How can we become conscious consumers?
- How can future transport become sustainable?



LOOK OUT!



3. Get ahead

How will the competition be judged?
We only have three criteria!

1. Be innovative and creative!

See things from a brand new angle; try something out that no-one ever has.

2. Ideas with impact

Show us how your idea could benefit people and planet... and make a better world.

3. Use tech for good!

Remember, it's tech that we're interested in — so that might be an app, an AI, a robot, some code, a device, or a way of repurposing existing tech. We are looking for ideas that use tech to solve a problem.

2. Get inspired

Develop your idea by taking inspiration from what's out there already

- 1) Take a look at the **Get Inspired** ideas on page 9 including last year's winners.
- 2) Look around you. What everyday problem do you want to solve? How could tech help you? Jot down any ideas you have over the next few days.
- 3) Test your idea. Ask friends and family what they think. Does your idea sound viable? Would they use it? What would make it even better? Don't stick with your first idea. Keep improving!

4. Get your entry in

by 25th July 2022

<https://woobox.com/xpdt4z>

You will need a parent, guardian or teacher to send your entry — go on, impress them!

What is a digital skills badge?

A Credly digital badge is evidence of your achievement, just like a certificate. You can proudly display your digital badge on social channels to show education institutions and employers your capabilities and skills. **Go you!**



Get rewarded

prizes

1st



Galaxy Z
Flip3-5G

2nd



Galaxy
Buds Pro



Teacher Prize
Galaxy Book 15.6" i7

SAMSUNG

Solve for Tomorrow: Next Gen

It's competition time!

To take part in this competition submit your idea or a solution which uses technology for good to address a sustainability problem.

Explain your idea and how it will solve a sustainability problem in up to 200 words. You can add drawings or photographs to help describe your idea (maximum 50MB). You must provide your name, email address and all other requested information.

You can enter as an individual or a team of up to three.

How will the competition be judged?

The criteria for determining the winning entry (the "Winning Criteria") is: "An innovative idea that uses technology for good to tackle a sustainability problem with emphasis placed on the uniqueness and the degree of creativity, innovation and design of the entry".

The winning entry must demonstrate that the idea:

1. Helps the planet;
2. Is innovative; and
3. Involves the use of technology

Amazing prizes up for grabs



- Samsung Galaxy Z Flip3-5G
- Great runner up prizes, such as Samsung Galaxy Buds Pro in stylish Phantom Silver
- The chance to attend a Samsung Event as a VIP guest
- All young people who enter and their teachers can choose between a Credly digital certificate and a downloadable certificate
- Plus, the named teacher or parent of the first prize winning student will also receive a Samsung Galaxy Book 15.6" i7

Please check the full [Terms and Conditions](#) for all prize-winning information.

13-15
year
olds

Entry Form

Entry Details

Student first name(s):

Student team name:

Student age(s) and gender

male female other prefer not to say

Student email:

School Name:

School Postcode:

Teacher name:

Student(s) signature(s):

I confirm I am 13 or above and able to consent for my email address and other details to be provided.

Submission options

1. **Email your entry digitally** with any supporting files or pictures to: samsungnextgen@nationalschoolpartnership.com
2. **Scan and upload this entry form** along with any supporting files or pictures to woobox: <https://woobox.com/xpdt4z>
3. **Send us your entry by post** to: Samsung Solve for Tomorrow: Next Gen, We are Futures, 1 Paris Garden, London, SE1 8ND

Entry deadline

All entries must reach us by midnight on **Monday 25th July 2022** when the competition will close.

Please check the full T&Cs for all entry requirements:

<https://nationalschoolpartnership.com/samsung-competition-terms-and-conditions/>

What you need to know

For the purposes of running this competition we will be required to share data collected on the entry form with third parties in order to fulfil the reward of the digital certificates via Credly.

All competition entry forms for under 13s must be signed by the legal parent/guardian. It is not possible for these to be signed by a teacher as they are not legally able to consent to the entry by the young person. Please ask your parent /guardian to sign the form.

Take a look at the data protection and privacy policy for The National Schools Partnership website:

<https://nationalschoolpartnership.com/privacy-policy/>

For full Terms and conditions of Credly's services, please see:

<https://www.credly.com/terms>

Sketch

Add a sketch to show how your idea works



Annotate your design to show:

- The features of your product
- How it works
- The unique selling point of your idea
- How it solves a problem and helps the planet

Take it further

You can upload extra drawings with your submission to show your idea. But don't forget to check that you have answered the judging criteria on page 11.

