

Hidden Connections

The background of the slide is a solid light blue color. It is decorated with several thick, white, wavy lines that flow across the frame. One line starts from the top left, curves downwards and then to the right. Another line starts from the top right, curves downwards and then to the left. A third line starts from the bottom right, curves upwards and then to the left. These lines create a sense of movement and depth.

How many people and places do you think are connected to these, before it reaches you?



Investigate

1. Where its raw materials come from?
2. Where materials are processed?
3. Where components/products are made?
4. How they are transported?
5. Who works at different stages?
6. Where the final product is used?

10:00

Map the journey across the world

For Example, a smartphone needs minerals like cobalt for its battery, which extracted from Congo, then in China the factories and workers manufacture and assemble it, then ship it to US to shops to sell it!

Connection Chain :

Resource → People → Country →

Factory/Process → Transport → Shop → Me



Let's Share..

1. How many people involved in this product will you probably never meet?
2. Would changing something in one part of this journey affect other parts?
3. Are we really as separate from people in other countries as we sometimes think?

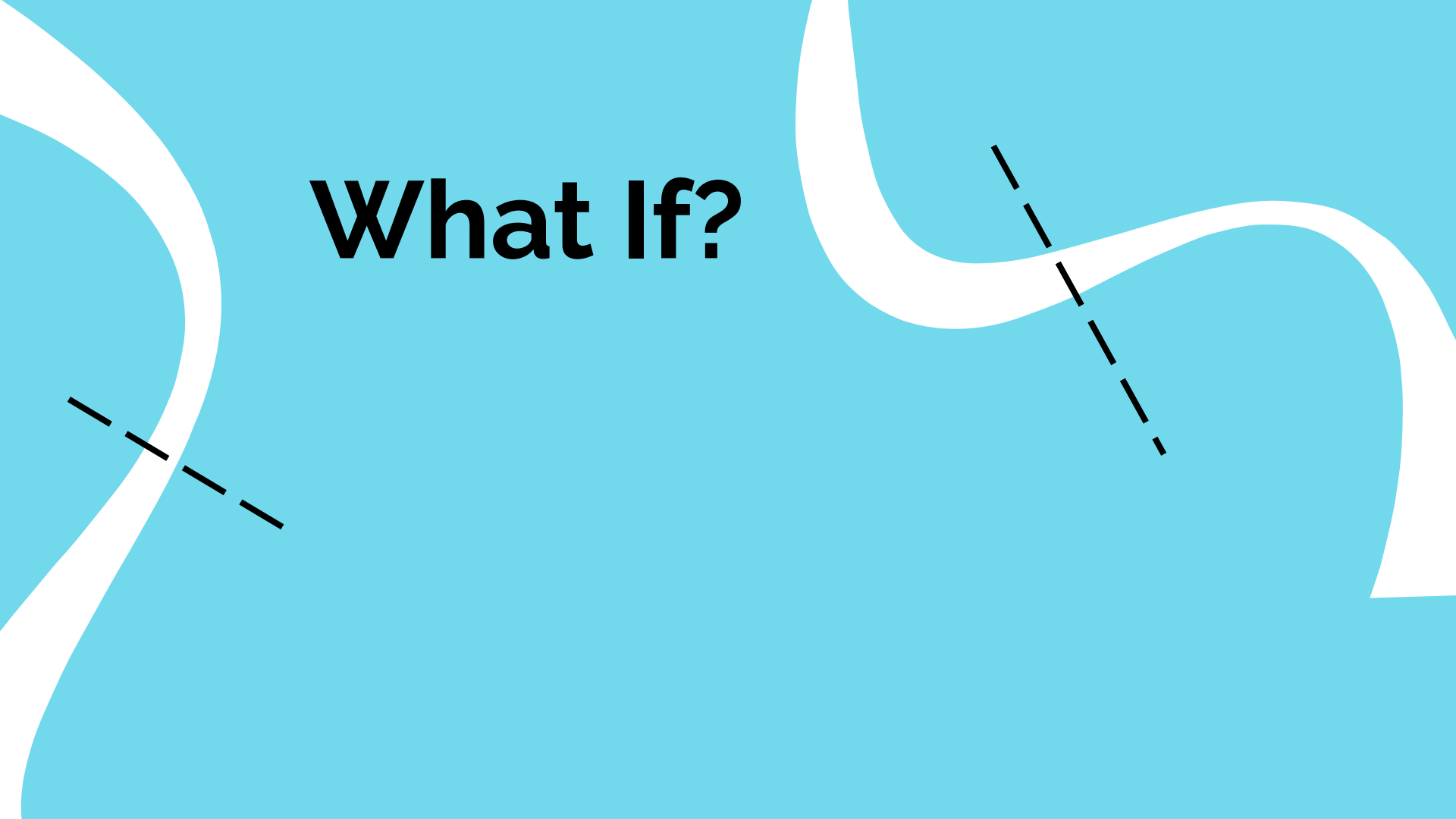
10:00

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1. How many people involved in this product will you probably never meet?
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The world is made of connected systems.

What happens in one part can affect another.



What If?

Let's Share..

1. Large areas of rainforest are destroyed.
2. A new disease causes lockdowns and factories and transportation systems stop operating.
3. A conflict begins between two countries.
4. ...etc

What could happen next?

Let's Think..

- Build the chain reaction..
- Event → First Effect → Second Effect → Third Effect → Distant Effect
- For example:
- Factory closes → workers lose income → products become less available → prices change → consumers elsewhere are affected

10:00

Let's Share..

- Where did the effect start?
- Where did it end?
- Was the final place directly responsible for the original event?
- Could someone somewhere along the chain have acted differently?

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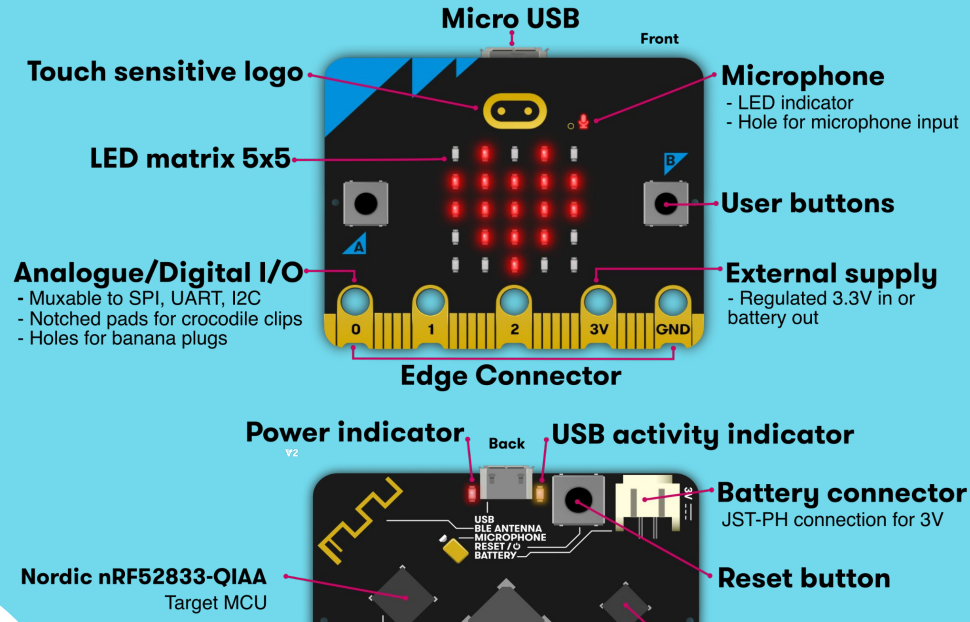
In an interconnected system, there may be many places where a different decision can change what happens next.

Touch One, Affect Another

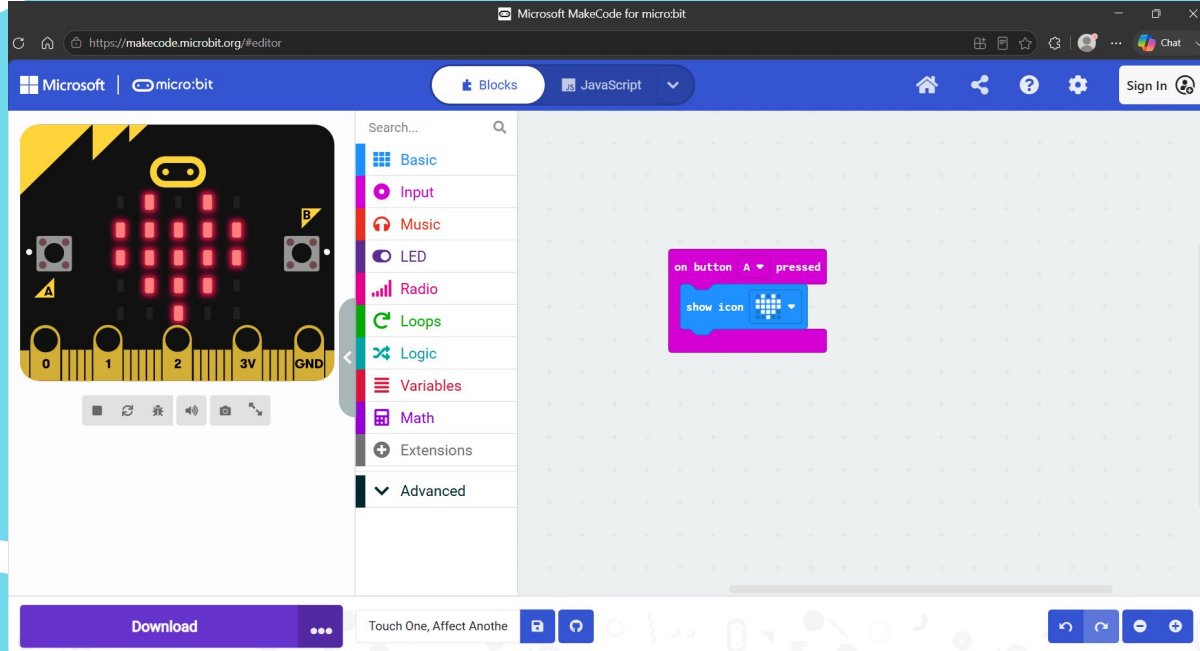
The background is a solid light blue. It features several thick, white, wavy lines that curve across the frame. Two red, multi-pointed starburst shapes are positioned on these white lines: one on the left side and one on the right side, both appearing to be part of the white line's path.

We know that one event can affect a place far away.
Can we build a system that makes that invisible
connection visible?

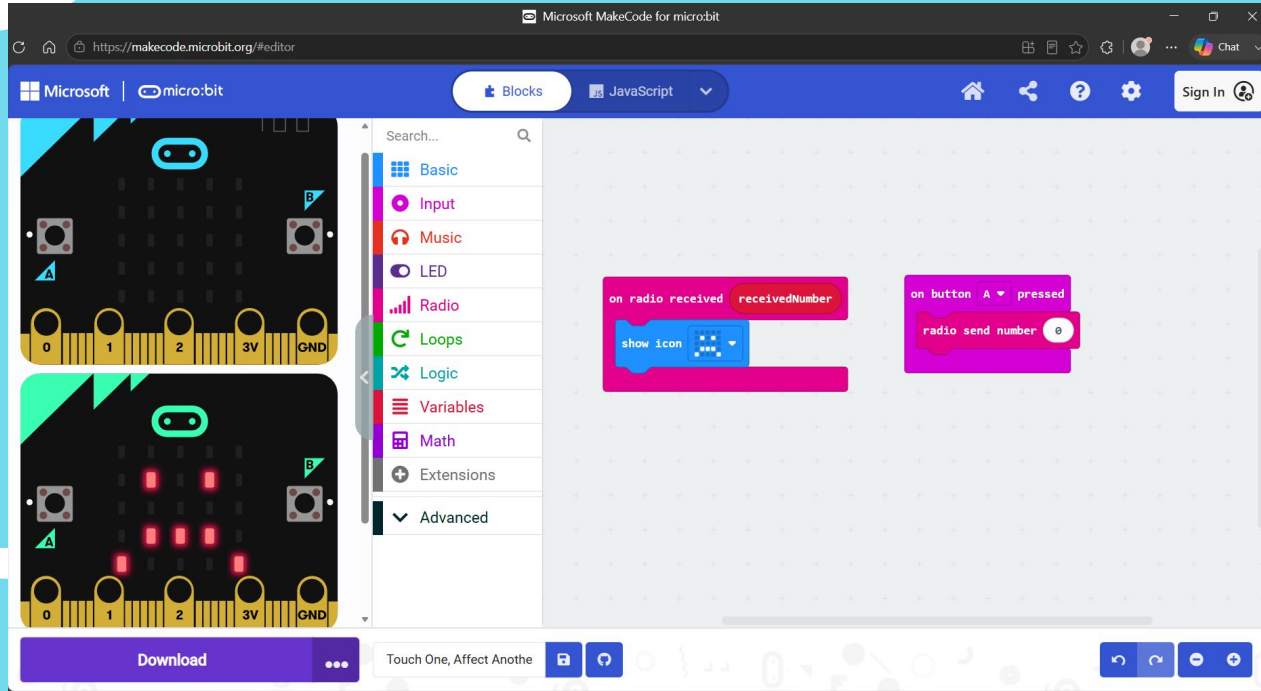
Micro:bit & MakeCode



Micro:bit & MakeCode: Let's Build



Micro:bit & MakeCode: Let's Build



MakeCode Flow

Open MakeCode

Open MakeCode and create a new project.

Set Radio

Set a matching radio group number on both micro:bits.

Sender Block

On the sender, attach 'on button A pressed' and add 'radio send value' with a label like 'sad' or 'heart'.

Receiver Block

On the receiver, use 'on radio received' to check the value; if 'sad' show a sad face, if 'heart' show a heart.

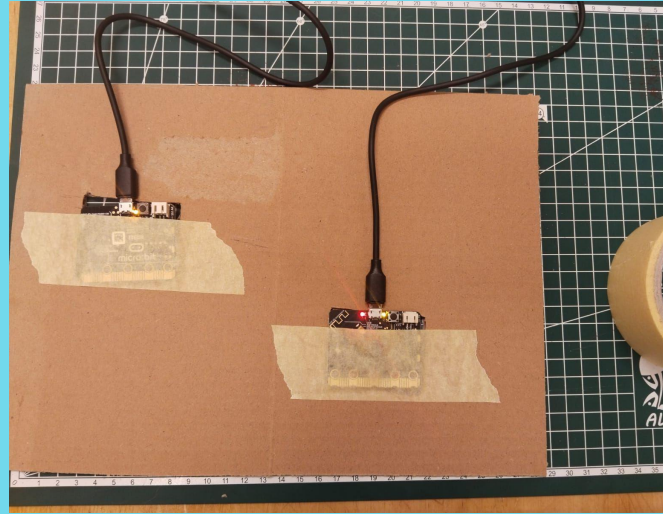
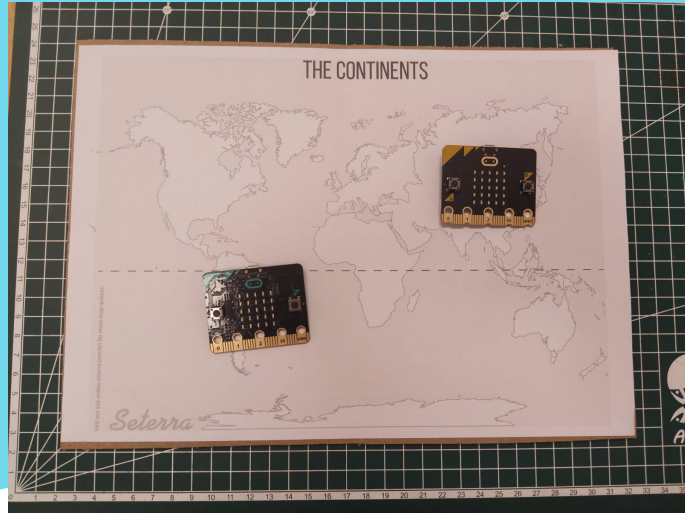
Flash Code

Download code and flash both micro:bits.

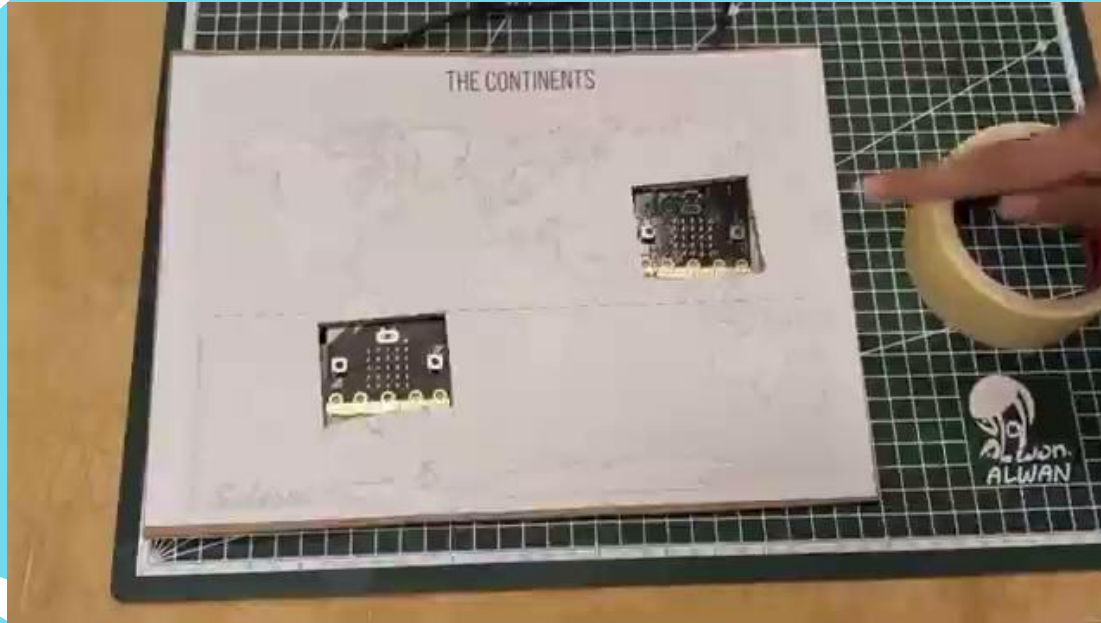
Test & Iterate

Test by pressing A on the sender and observe the receiver; iterate if messages are lost, check radio group, proximity, and batteries.

Micro:bit & MakeCode: Let's Build



Micro:bit & MakeCode: Let's Build



Let's Pause..

- What just happened?
- Did anything physically move from one country to the other?
- So what does the micro:bit radio wave represent?

Let's Find an intervention point..

- What could have been done differently?
- For example, This could be via:
 - Early intervention
 - Reducing waste or consumption
 - Humanitarian support
 - Sharing information
 - ...etc

10:00

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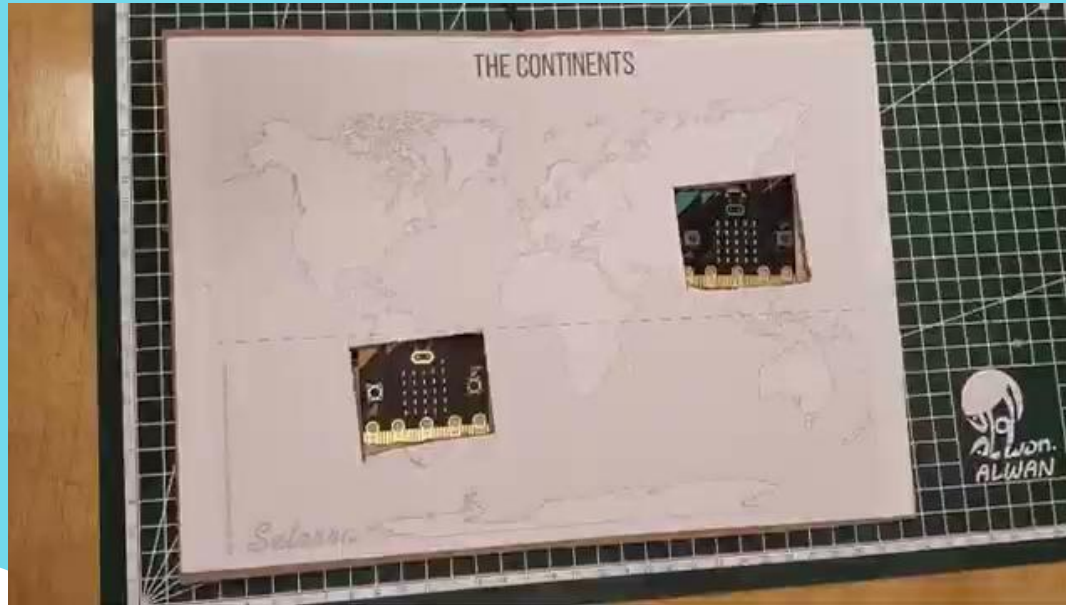
We have seen how harm can travel through connected systems.

But can care travel too?

Add a second message to the program representing **solidarity** .



Micro:bit & MakeCode: Let's Build





Let's Share..

- What changed?
- Can an action in one place create a positive effect somewhere else?
- What does the heart represent?





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Connection does not only allow problems to spread.

It also allows people to support one another and create
change together.



The World Comes Back to Me



Let's Think..

Does this choice affect anyone beyond me?

- Buying something I don't really need
- Throwing rubbish away carelessly
- Wasting food or water
- Sharing information without checking it
- Ignoring environmental problems
- Hearing about a crisis in another country
- Seeing discrimination or exclusion
- Choosing to support or ignore a community initiative

Let's Ask Ourselves..

Does this choice affect anyone beyond me?

Where could the effect travel?

What is within my control?

Let's Get to Know Alexandra..



Fighting childhood cancer, one cup at a time.

GET INVOLVED

Meet Our Founder: Alexandra Scott

**Our founder, Alexandra “Alex” Scott, gave us our mission:
find cures for all children battling cancer.**



It all started with one front yard lemonade stand.

When she was just 4 years old, Alex held her first childhood cancer fundraiser in her front yard and raised more than \$2,000. By the time of her death in 2004, Alex raised \$1 million and inspired a legacy of hope and cures for childhood cancer.

Alexandra “Alex” Scott was born to Liz and Jay Scott in Manchester, Connecticut on January 18, 1996, the second of four children. Shortly before her 1st birthday, Alex was diagnosed with neuroblastoma, a type of childhood cancer.

On her 1st birthday, the doctors informed Alex's parents that if she beat her cancer it was doubtful that she would grow up again. Just two weeks later, Alex died.

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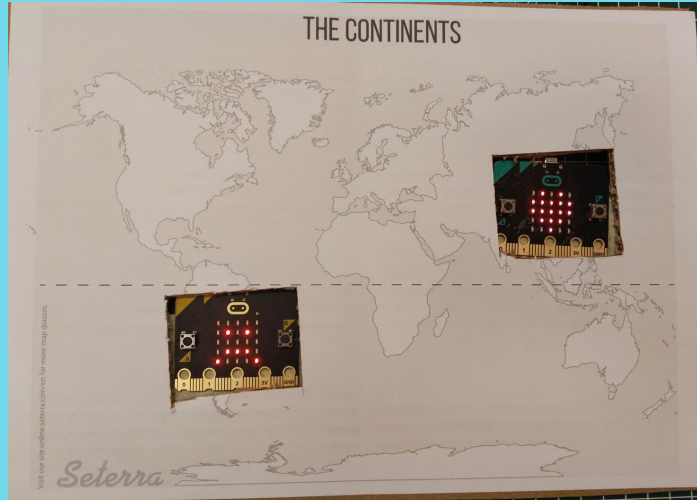
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One action can inspire another person. That person can involve another. A small initiative can become a community movement and reach places the original person never imagined

Back to Micro:bit



At the beginning, pressing one button caused another place to respond.

Give us an example of: One person acts → another joins → a group forms → a community responds → the idea travels

My Global Citizen Action Card

One action I can start is...
I could do it with...
If other people joined me,
this could become...



**If the world is connected,
what responsibility
comes with that
connection?**



Let's Recap Today's Session

We discovered connections..
We explored consequences..
We made the invisible visible..
We explored alternatives..
We came back to ourselves..

And because we are part of it: **Our choices matter.**



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We came back to ourselves..

And because we are part of it: **Our choices matter.**

But our responsibility is not to solve every problem in the world alone.

It is to recognize where we have influence, act responsibly, work with others, and understand that our actions can travel further than we can see.



Thanks!

CREDITS: This presentation template was created by [Slidesgo](#), and includes icons, infographics & images by [Freepik](#)