



# How Freya built Sharkie: Initial explorations into the safety, security and privacy concerns of children's IoT devices.

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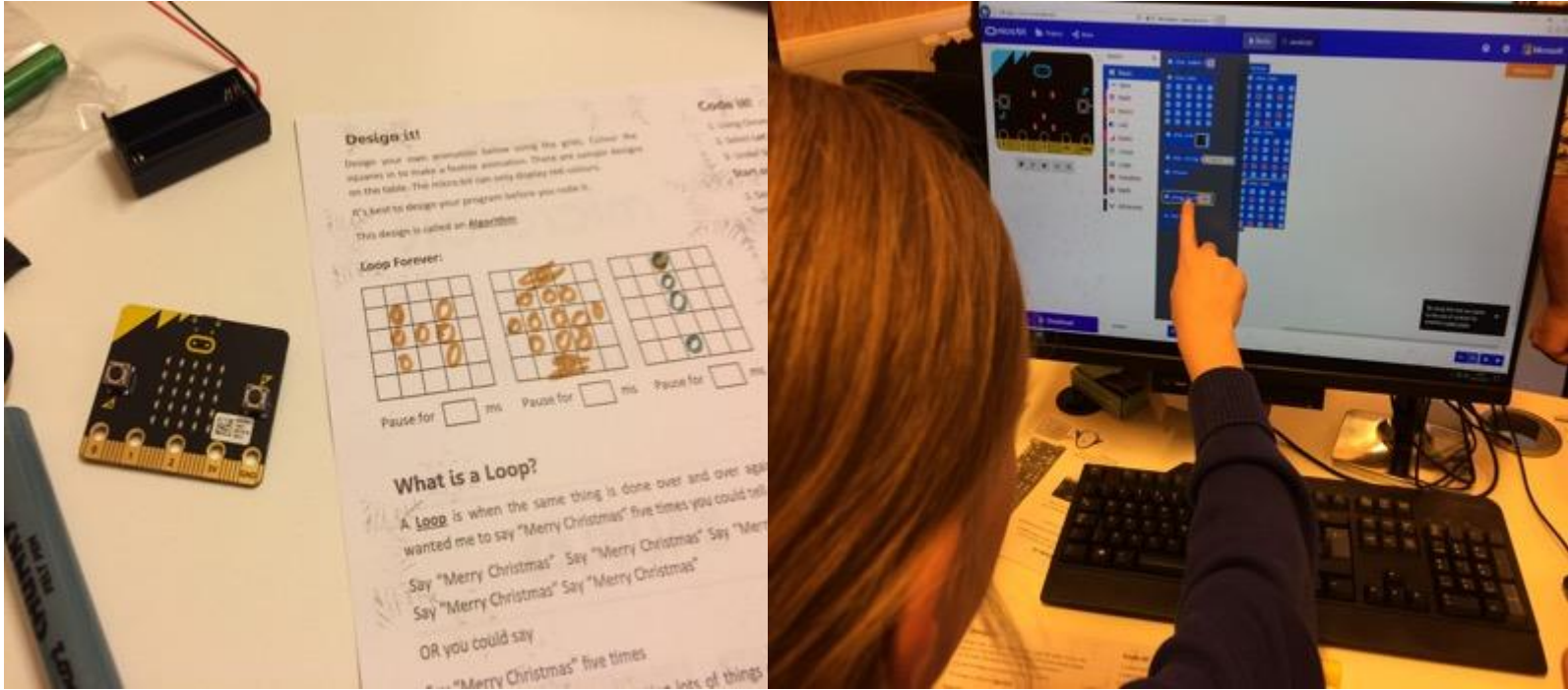
**KIDS & THE CONNECTED HOME:  
PRIVACY IN THE AGE OF CONNECTED  
DOLLS, TALKING DINOSAURS,  
AND BATTLING ROBOTS**

DECEMBER 2016



# What we have done so far...

- 2 Outreach Days
  - Year 5 (9-10)
  - Year 6 (10-11)
- Team and Partner Workshops
- Currently holding Key informant interviews



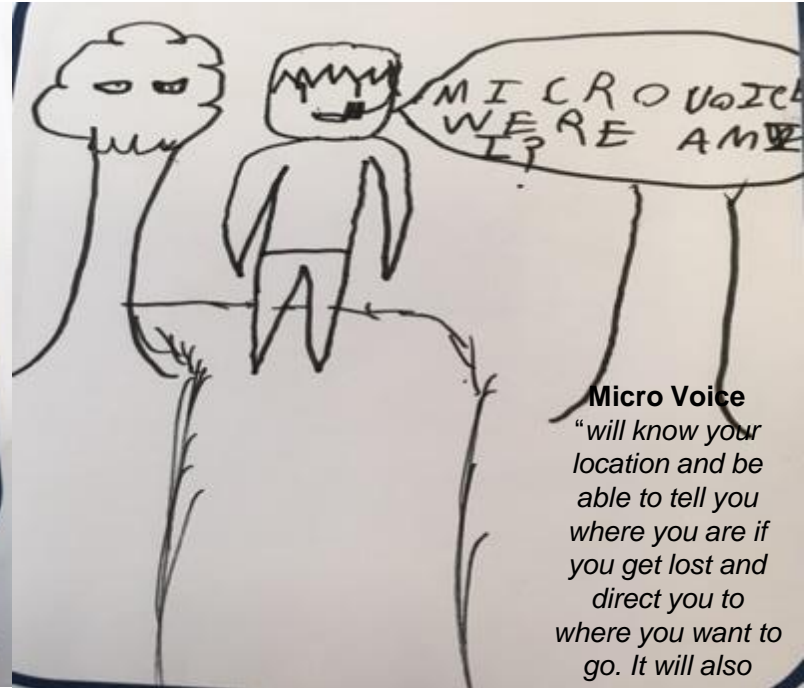
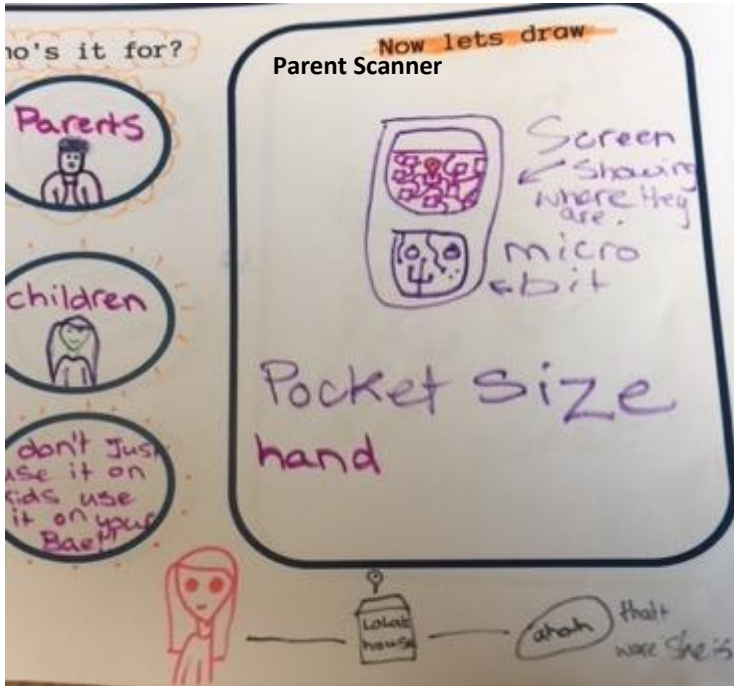






# Assistance





**Micro Voice**  
 "will know your location and be able to tell you where you are if you get lost and direct you to where you want to go. It will also assist you"

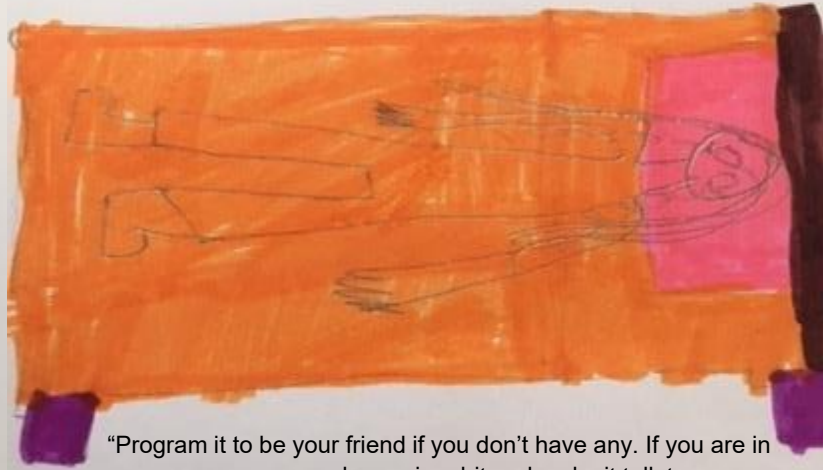
# Companionship

**Starburst the Unicorn**



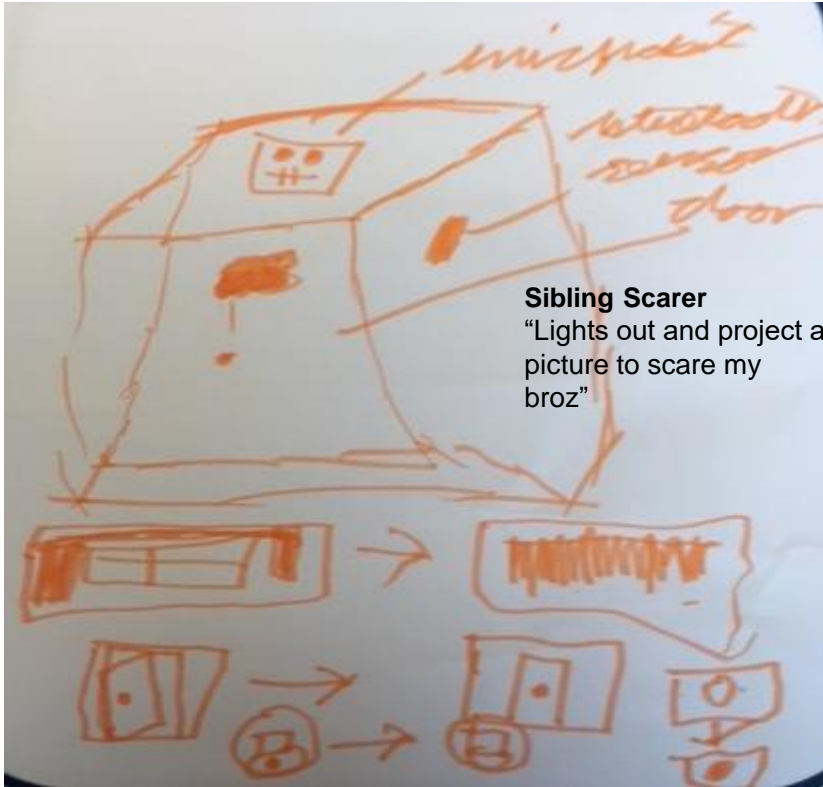
"When you are sad it cuddles you, when you had an argument with your friend it cheers you up, it solves your problems, it teaches you things you don't know."

**My Plans for People with No Friends**

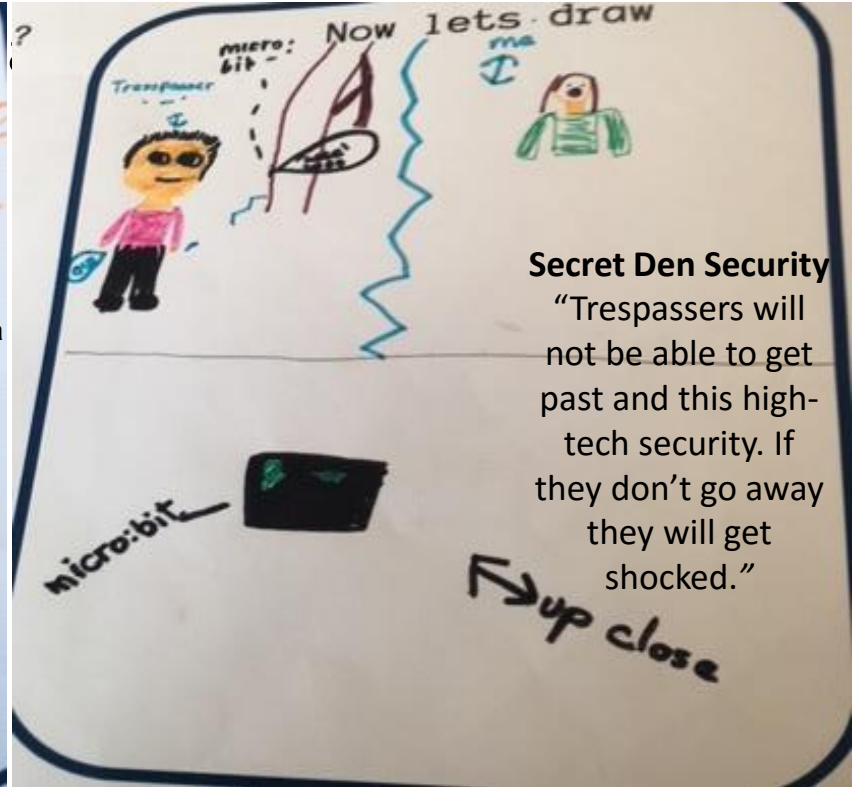


"Program it to be your friend if you don't have any. If you are in your room you can order a micro:bit and make it talk to you so you are not lonely."

# Play



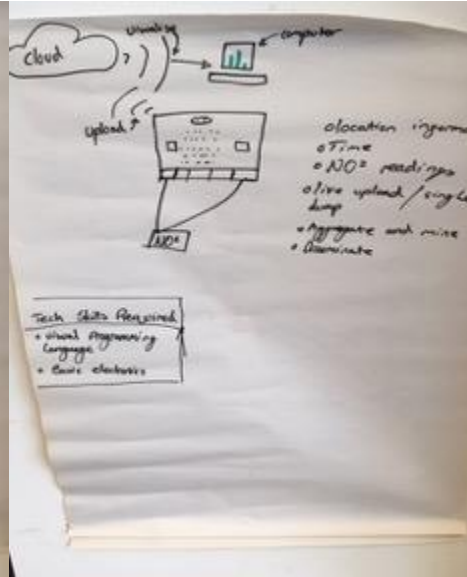
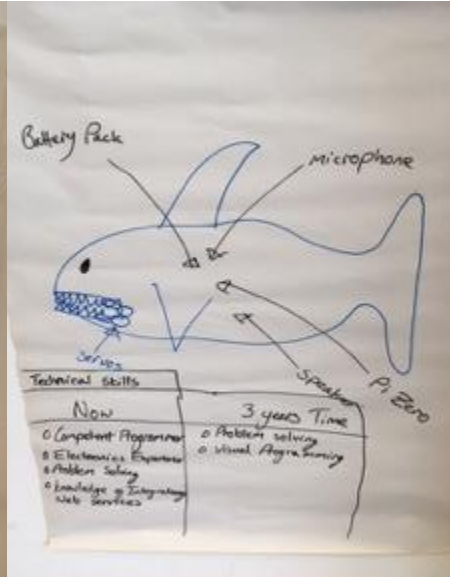
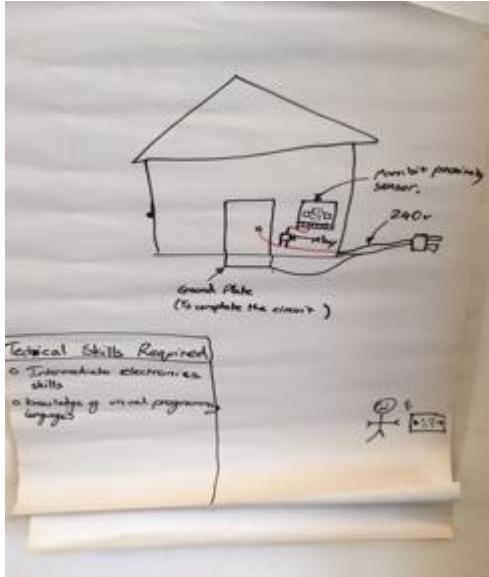
**Sibling Scarer**  
“Lights out and project a picture to scare my broz”



**Secret Den Security**  
“Trespassers will not be able to get past and this high-tech security. If they don't go away they will get shocked.”

# Team and Partnership Workshop





# Use Scenarios

Freya

Zak

Troy

Maia

Sebastian

Tabitha

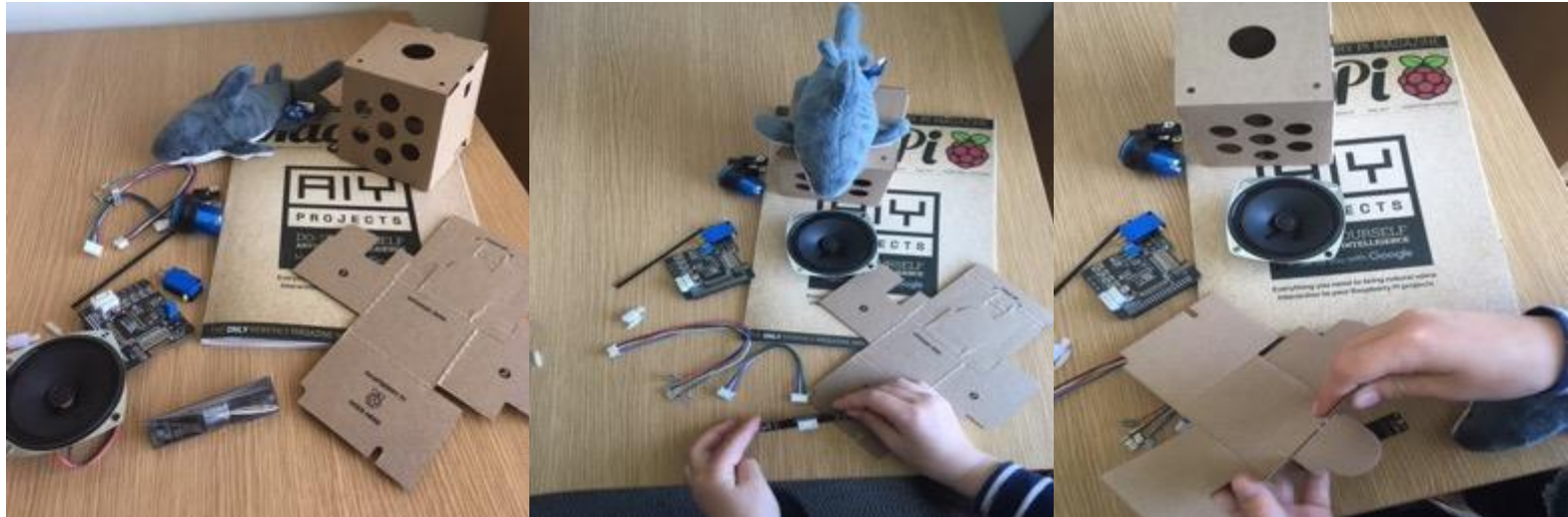
# Stage 2

## current steps ...

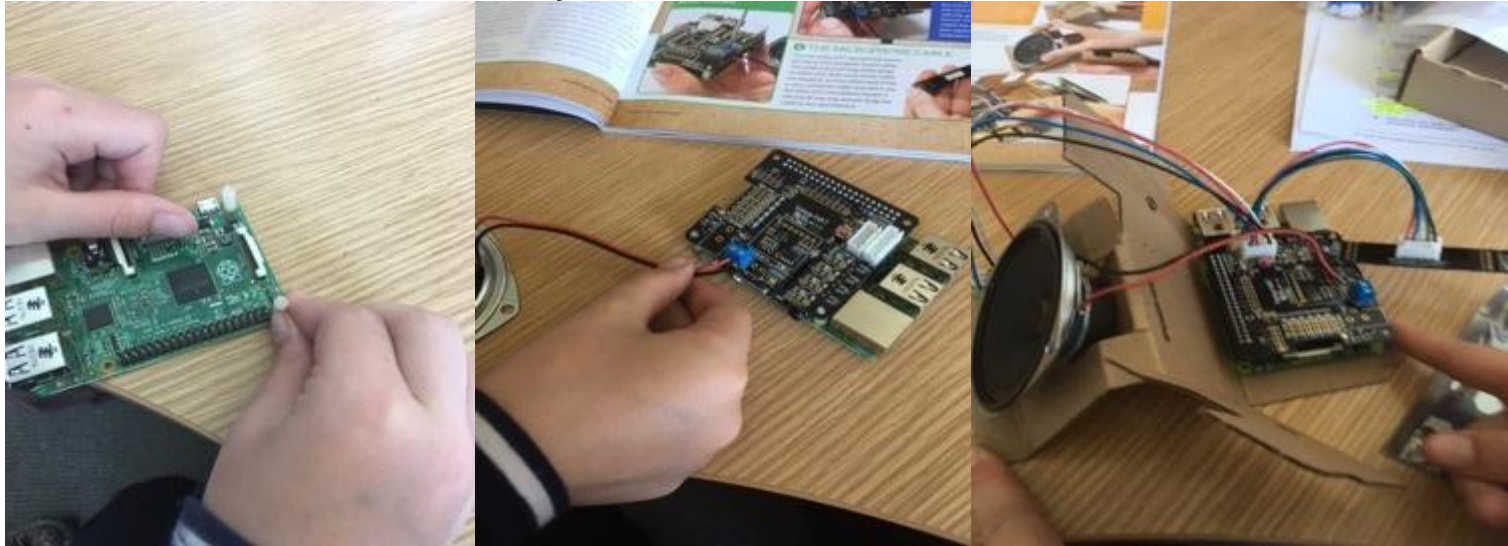
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# References

- [1] Family Online Safety Institute. 2016. Kids & The Connected Home: Privacy in the Age of Connected Dolls, Talking Dinosaurs, and Battling Robots. <https://pf.org/wp-content/uploads/2016/11/Kids-The-Connected-Home-Privacy-in-the-Age-of-Connected-Dolls-Talking-Dinosaurs-and-Battling-Robots.pdf>.
- [2] Family Online Safety Institute. 2016. Connected Families: How Parents Think & Feel about Wearables, Toys, and the Internet of Things. <https://www.fosi.org/policy-research/connected-families/>. (2016). (Accessed on 01/09/2018).
- [3] Family Online Safety Institute. 2017. FOSI Roundtable: Connected Families. The risks and opportunities of connected devices, Toys and Cars. <https://www.fosi.org/events/fosi-roundtable-connected-families/>. (2017). (Accessed on 01/09/2018).
- [4] NSPCC. 2017. E-safety for schools. <https://www.nspcc.org.uk/preventing-abuse/keeping-children-safe/online-safety/e-safety-schools/>. (2017). (Accessed on 01/09/2018).
- [5] NSPCC. 2017. Technology, toys and the internet. <https://www.nspcc.org.uk/preventing-abuse/keeping-children-safe/online-safety/technology-toys-and-the-internet/>. (2017). (Accessed on 01/09/2018).



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