

# Living with DIY IoT

Northumbria Ethics Reference: 9952

Principle Investigator: *David Verweij*



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My name is David Verweij. I work at Northumbria University in Newcastle. This sheet explains why I am doing this study and, if you would like to take part, what you need to do. You should only take part **if you want to!** There is nothing to worry about if you don't want to. Before you decide if you want to take part, please read below and ask me any questions you have.

## Why are you doing this study?

I want to know what you and your family will make with the crafting kit I will give you. These kits help you to make moving robotic 'things' that are connected to the internet. I also want to know how you would use what you make, in your everyday life.

## Do I have to take part?

No, not at all! That is why this sheet contains information about the study. Let me, or your parent/guardian know if something is unclear, or if you have a question.

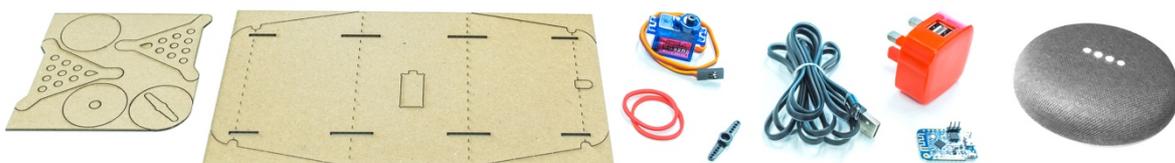
## What will happen to me during the study (which lasts one month)?

If you agree to take part in this study, I will give you one or more crafting kits. I will visit you and your family at your home, to go through this information and to talk about the study. If you don't mind, I will also ask you some questions about what you do in everyday life and what kind of technologies you use at home. If you could give me a tour through the house, that would be very helpful for me to understand your everyday activities. You don't have to answer a question if you do not feel like it.

When I visit you and your family, I can show you a bit more about the crafting kit. I will show the parts and some steps to use it. Let me know if you are curious or unsure about something, you can ask me anything! After I leave, you can play, build and configure the crafting kits as you like. After a few days, I will get in touch if there are any things unclear. Then, after 9 weeks, I will visit you again to see what you have made and how you are using it. During these 9 weeks, I will ask your parent(s) or caregiver(s) to send me updates of what you and your family makes with the craft kits. I would like to receive a picture every time you are crafting with the crafting kit. If you could remind your family to send me a picture that would be very helpful!

## What is the crafting kit?

One crafting kit includes a 'micro-computer' that can connect to the internet, and a mini-motor. Using these, and some extra parts, you can build moving 'living' objects! Using a Google Home that I will lend to your family, you can connect your creation to the internet. This will allow it to respond to things like the weather, online events, traffic information and more! The picture below shows some of the components in the crafting kit.



**What data are you measuring?**

The crafting kits will store any instruction you give it to do. It has no camera, microphone or anything similar, so it won't spy on you. If I ask you some questions when I visit you and your family, I will use an audio recorder so I can listen back to our talks.

I (David) will keep your family's contact details to be able to contact you (but won't share them with anyone). All the other data will be given a nickname, and only I will know who is who. No-one will be able to identify you, if any pictures or words from our talks is used in a report or presentation. All data will be stored securely and will only be accessible by me. After the study, I will delete all contact details. Since all your data has been given a random name, no-one will be able to trace back any data to you.

**What is in it for me?**

As a small sign of my appreciation that you are helping me out with this research, I will give your family one £25, - Amazon Voucher. Don't worry about damaging the crafting kits, those things can happen and are not your responsibility.

**What if I change my mind?**

You can quit the study at any moment, without giving a reason. There will be no hard feelings. I will then delete your data.

**Who can I contact?**

If you have any question regarding the study please email me at [david.verweij@northumbria.ac.uk](mailto:david.verweij@northumbria.ac.uk), or through your parent/guardian.