

University of Washington
Parental Permission for a Minor Child to Participate in a Research Study
Developing data literacies in children with a visual programming environment

Principal Investigator: Dr. Sayamindu Dasgupta, Department of Human Centered Design and Engineering, (206) 685-3167, sdg1@uw.edu

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What are some general things you and your child should know about research studies?

You are being asked to allow your child to take part in a research study. To join the study is voluntary. You may decide to not allow your child to participate, or you may withdraw your permission for your child to be in the study, for any reason, without penalty. Even if you give your permission, your child can decide not to be in the study or to leave the study early.

Research studies are designed to obtain new knowledge. This new information may help people in the future. Your child may gain knowledge on how to program with data using a block-based programming language from being in this research study. There are also risks related to being in research studies.

Deciding not to be in the study or leaving the study before it is done will not affect you or your child's relationship with the researcher, or the University of Washington.

Details about this study are discussed below. It is important that you and your child understand this information so that you and your child can make an informed choice about being in this research study. You will be given a copy of this consent form. If you or your child have any questions about this study, ask the researcher (named above), or other study staff. You and your child can ask questions about this study at any time.

What is the purpose of this study?

The purpose of this research study is to learn about how people learn about programming with data by using the Dataland system. The Dataland system is a software tool that lets children program with data by dragging and dropping blocks of code together (like virtual Lego bricks). For example, your child can use Dataland to analyze data about weather in Seattle and make graphs about the number of rainy days.

What will happen if your child takes part in the study?

If your child takes part in this study, we will ask your child to participate in a workshop with up to 20 other kids and teens. During the workshop they will use Dataland. In some cases, their version of Dataland may look different from their neighbor's in the workshop. During the workshop we may ask them questions like "What kind of projects would you make with Dataland?" and "What did you find most challenging or difficult about using Dataland?". With their permission, we will audio record these conversations. We will ask them before recording the conversation, and if they do not want to be recorded, we will take hand-written notes. Even if they are okay with being recorded, at any time, they can ask that any part of the recordings be deleted. At the end of the workshop, we will also ask your child to fill out an optional survey. All questions on the survey (such as, "Do you agree with the statement: I found Dataland to be confusing") will be optional and they can skip as many questions as they want. We will also collect information on the projects that they make with Dataland, as well as the ways in which they interact with Dataland (e.g., which button they click, or what window they close on the computer screen).

How long will your child's part in this study last?

We will ask your child to participate in at least one workshop that will last about 3-hours. There will be up

to 10 workshops over the course of 3 months in 2022, each one will last about 3 hours. Any surveys and interviews that your child completes during the study will be done during the workshops. Your child can come to as many workshops as they would like.

What are the possible benefits from being in this study?

Research is designed to benefit society by gaining new knowledge. Additionally, by participating in this study, your child will learn how to write computer programs in Dataland that analyze data.

What are the possible risks or discomforts involved from being in this study?

We will make every effort to keep information about your child confidential. However, there is always a risk of breach of confidentiality. If such a breach occurs, the fact that your child participated in the study, and what they did during the study may become public. There is also a risk of feeling frustrated and embarrassed during the research activities (e.g., programming, discussion, show and tell). If your child tells you they are uncomfortable about being in the study, please let the researchers know and your child can skip any activities that they do not want to do and stop the study at any time.

How will information about your child be protected?

We will keep your child's identity confidential and all information that we collect will be stored in a secure location at the University of Washington. On any written reports, participants will be identified only by pseudonyms. We will keep track of which pseudonym belongs to whom. When we publish or report our findings, we will not identify your child.

Although every effort will be made to keep research records private, there may be times when federal or state law requires the disclosure of such records, including personal information. Government or university staff sometimes review studies such as this one to make sure they are being done safely and legally. If a review of this study takes place, your child's records may be examined. The reviewers will protect their privacy. The study records will not be used to put you at legal risk of harm.

Any audio recording that we make when we interview your child will be transcribed (typed out word-for-word), and then the recording will be destroyed.

What if you or your child wants to stop before your child's part in the study is complete?

You can withdraw your child from this study at any time, without penalty. The investigators also have the right to stop your child's participation at any time. This could be because your child has had an unexpected reaction, or has failed to follow instructions, or because the entire study has been stopped.

If you withdraw your child or your child is withdrawn from this study all data collected will be destroyed and no additional data will be collected.

What if we learn about new findings or information during the study?

You and your child will be given any new information gained during the course of the study that might affect your willingness to continue your child's participation in the study.

Will your child receive anything for being in this study?

Neither you nor your child will receive anything for being in this study.

Will it cost you anything for your child to be in this study?

There is no cost for your child's participation in this study. However, you will not be reimbursed for travel or parking costs.

Will my child's data be used in future research?

The information that we obtain from you for this study might be used for future studies. We may remove anything that might identify your child from the information. If we do so, that information may then be used

for future research studies or given to another investigator without getting additional permission from you or your child. It is also possible that in the future we may want to use or share study information that might identify your child. If we do, a review board will decide whether or not we need to get additional permission from you.

What if you or your child has questions about this study?

You and your child have the right to ask, and have answered, any questions you may have about this research. If there are questions about the study (including payments), complaints, concerns, contact the researchers listed on the first page of this form.

A copy of the consent form will be emailed to you at an email address that you provide. It will be a "PDF" document. Most computers already have PDF viewer software installed, which will allow you to open, read, or print the consent form. The email we send you will include a link to PDF viewer software (such as Adobe Acrobat Reader) in case your computer doesn't already have it. If you would prefer to receive a paper copy of the consent form at no cost to you, please contact the researcher listed on page 1 of this consent form.

What if there are questions or concerns about your child's rights as a research participant?

If you or your child have questions later about the research, or if you think you or your child have been harmed by participating in this study, can contact one of the researchers listed on the first page of this consent form. If you have questions about your child's rights as a research subject, you can call the Human Subjects Division at (206) 543-0098 or call collect at (206) 221-5940.

Parent's Agreement:

I have read the information provided above. I have asked all the questions I have at this time. I voluntarily give permission to allow my child to participate in this research study.

Printed Name of Research Participant (child)

Signature of Parent

Date

Printed Name of Parent

Signature of Research Team Member Obtaining Permission

Date

Printed Name of Research Team Member Obtaining Permission