Project Title: Scaling up spatial development: Children's spatial-relational learning and reasoning Page 1

Parent/Guardian Informed Consent Agreement

Please read this consent agreement carefully before you decide to participate in the study. Your child will also hear an explanation of the study and the choice to participate.

Purpose of the research study: This project studies how children develop the ability to think about space. What does it mean to be big or small? How can you use a map? Where am I in relation to things around me? Being able to reason about spatial relations is important for learning across subjects.

What your child will do in the study: Your child may be invited to play a game involving finding things in space, manipulating objects (like toys), or playing games like puzzles and block building. Some activities might be on a computer. For example, in a hide-and-seek game children use a map to find a hidden star, or on a math games children show where numbers belong on a number line. In some studies, we ask children how much they like different toys like dolls or blocks, and whether they think boys or girls are better at different toys. If your child seems bored or frustrated at any point, we will give a reminder that it's okay to stop at any time. We may ask your permission to video-record your child so that we can give him/her our full attention. If you give permission, the form allows you to specify how the video will be used. If participating at school, sessions will be scheduled so that children do not miss any instructional time, and children who do not participate will continue with their regular classroom activities.

What you will do in the study: As part of this study, we might ask some questions about your family, or ask you to tell us about your child's typical play behavior or interests. You are free to skip any questions you do not wish to answer.

Time required: The study will require approximately <u>15-40</u> minutes of your child's time. You are welcome to break the session into multiple sessions, and some studies request multiple sessions.

Risks: There are no anticipated risks in this study.

Benefits: There are no direct benefits to you or your child for participating in this research study. The study may help us understand how to improve children's thinking about spatial relations, and can be used to inform classroom instruction and design of children's activities.

Confidentiality: Your child's privacy will be protected in several ways. First, if video recordings are collected, they will be named with a number, and only researchers working on this project will have access to the files. Second, your child's name or birth date will be in a locked cabinet, and not connected to his/her data collected during participation. Finally, we analyze and report our research across groups of data: we won't present your child's individual performance.

Voluntary participation: Your child's participation and/or your participation in the study is/are completely voluntary.

| IRB-SBS Office Use Only | | | |
|-------------------------|----------------|--------------|--|
| Protocol # | 2016-0376 | | |
| Approved | from: 10/04/16 | to: 10/03/17 | |
| SBS Staff | gn- | | |

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Right to withdraw from the study: You and/or your child have the right to stop the study and/or withdraw at any time without penalty. If you or your child decide to withdraw from the study, all data including any video recordings will be destroyed.

How to withdraw from the study: If you and/or your child want to withdraw from the study, tell the researcher. There is no penalty for withdrawing. You and/or your child will still receive any stickers, certificates, or rewards offered for the study. If you would like to withdraw after your materials have been submitted, please contact Jamie Jirout, <u>Jirout@virginia.edu</u>.

Payment: You will receive no payment for participating in the study. Children receive stickers and a certificate for participating, and may choose a small toy or book to keep.

If you have questions about the study, contact:

Jamie Jirout, Curry School of Education, 250 Ruffner Hall, University of Virginia, Charlottesville, VA 22903. Telephone: (434) 924-0835

If you have questions about your rights in the study, contact:

Tonya R. Moon, Ph.D., Chair, Institutional Review Board for the Social and Behavioral Sciences. One Morton Dr Suite 500, University of Virginia, P.O. Box 800392, Charlottesville, VA 22908. Phone: (434)924-5999, Email: irbsbshelp@virginia.edu, Website: www.virginia.edu/vpr/irb/sbs

| Agreement: | | |
|------------------------|--|--|
| I give permission | I do not give permission: | |
| for my child | (name) to participate in the study described above | |
| Child's birthdate: | Teacher (if applicable) | |
| Parent Signature: | Date: | |
| Parent's printed name: | | |

If you would like to receive occasional newsletters about our research, including summaries of the results, please provide your email address or provide your email or postal address by email: childlearninglab@virginia.edu or by phone: 434-924-3986.

You will receive a copy of this form for your records.

Thank you for your participation in this project!

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Video Release Form (Parent/Guardian)

Your child's participation in this study was video recorded. With your consent, we would like to be able to use clips of your child's video for various educational purposes. Your child's name would *never* be associated with any of these uses.

You are free to refuse to allow your child's film to be used in any of these ways. Furthermore, if at any time in the future you change your mind about giving permission to use your child's video for these educational purposes, simply notify us by contacting Dr. Jamie Jirout (434-924-0835) and we will stop using it (except in the case of photos already published in books or journals).

Please indicate below whether you **do** or **do not** give us permission to use your child's video or still photos made from the video in each of these ways:

Yes

Nο

| In presentations of the research at professional meetings | Yes | No |
|---|----------|----|
| In professional publications describing the research | Yes | No |
| In future studies with other participants | Yes | No |
| On Dr. Jirout's website at UVA, or on professional websites designed to make research results available for professiona purposes only | Yes I | No |
| In newsletter reports on this research or on bulletin boards Dr. Jirout's laboratory | in Yes | No |
| On the Child Development Lab's Facebook page | Yes | No |
| Signature: | Date: | |
| | | |

In presentations to classes at UVA

| IRB-SBS Office Use Only | | | | |
|-------------------------|----------------|--------------|--|--|
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| SBS Staff | gr- | | | |