**Undergraduate Research Assistant Application**

**Math Education Learning and Development Lab**

**University of Wisconsin, Madison**

Name: Email:

Phone Number:

Major: Year in School:

GPA Overall: GPA in Major:

**Please respond to the following questions and complete the attached article review exercise. Note: Many questions are for our information only and do not indicate requirements for working in the lab (for example, having your own connections to preschools is not a requirement to work in the lab).**

Working in a research laboratory is a major time commitment. If you are selected for a position, you will be required to spend 9 hours working for the laboratory to meet the federal definition of 3 credit hours. A lot of the work in our lab is flexible and can be done at a time that fits your schedule. However, some tasks, like running studies with children, have some time constraints (when children are not in school). We want to have some general information about your availability.

Will you be able to..

1. Commit to 9 hours per week, including some nights (4-8:00pm) and weekends for running sessions?
2. Commit to participating in our lab meeting, which is on Thursdays from 4:00-5:00pm?
   1. Note that the lab meeting times will count toward your hours for the week.

Most of our projects are long-term projects that require students to commit to two or more semesters of lab research. For which semesters are you applying?

List of Psychology and Other Science courses taken:

List of Previous Research Experience, if any:

List of Previous Experience working with children, if any:

Computer Skills & Programming (some of our studies involve computerized presentation):

Do you have any special artistic skills (some of our studies require making stimuli and skills in drawing, painting, sculpting, etc. can be useful)?

What are your long-term career goals?

Why do you want this position?

Any other questions/comments?

Would you be interested in pursuing participation in other closely related labs if there is not space in the MELD lab? Two include:

* The Educational Neuroscience Lab (EdNeuroLab - <https://web.education.wisc.edu/edneurolab/>)
* Cognitive Development & Communication Lac (<https://alibali.psych.wisc.edu/>)

**Article Review Exercise**

Please download and read Matthews, P. G., Lewis, M. R., & Hubbard, E. M. (2016). Individual differences in nonsymbolic ratio processing predict symbolic math performance. *Psychological Science*, *27*(2), 191-202. You can get a copy either by going to library.wisc.edu or by going to google scholar if you are accessing the internet via the UW System. After reading, please answer the following questions:

1. What was the primary motivating research question of the work?
2. What were the chief independent variables?
3. What were the chief dependent variables?
4. If you had to summarize the conclusion in a paragraph or less, what would you say?
5. If you had to list one thing about the piece that provoked thought, whether it be about limitations/criticism (don’t be afraid!), things you thought were particularly good steps, or lager implications, what would it be?
6. Please list one big question you were left with after reading the piece.

**Please email this application back to vburoker@wisc.edu. If there is an open position in the lab, we will contact you within one week of receiving the application. If you have not heard from the lab after one week, please feel free to contact us regarding the status of your application.**