**TITLE OF PROJECT: Get Up on the Grid**

***Contact person for this proposal* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**School \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Principal's**

**Signature *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

**SUMMARY INFORMATION \_**

Total students directly benefiting from this project: \_\_\_\_\_\_\_\_\_\_

Number of general education students \_\_\_\_\_\_\_\_\_\_

Number of special education students \_\_\_\_\_\_\_\_\_\_

Total cost of project $\_\_750\_\_\_\_

Total amount requested through this grant $\_\_750\_\_\_\_

**NARRATIVE**

**1. Program Synopsis:** ***Provide a short, informative description of the program. What do you want to do and why?***

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| **SAMPLE:** I want to help students strengthen their number sense and prepare them for difficult mathematical concepts like Cartesian coordinates, which they will most likely encounter in the future. This experience would support the child’s understanding of early linear algebra and how math is critical to success in later classes. I want to create a way for children to have an educational experience that supports their lifelong success in mathematics and academia in general. The linear algebra that is discussed when using Cartesian coordinates is an extremely difficult subject for most students mainly due to the fact that many of them have not encountered any of its concepts, studied any algebraic formulae, or have an already shaky foundation with mathematics. These floor mats will help me and my school set an educational and confidence-boosting foundation for each student taking math and those who expect to see trig in their futures.  |

***How will this proposal enhance student achievement?***

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| **SAMPLE:**This project will use movement-based learning to improve student achievement and health. Our plan is to develop a scalable model for integrating math throughout the school day, during PE class, before and after school, during recess and transition times. Our project focuses on two national concerns: low student achievement and obesity. We will pre- and post-test our students and carefully document the results. We anticipate that teachers will observe our strategies in order to adapt the techniques for their own classrooms. |

***If special education students are involved, how will this program meet their IEP goals?***

**Teacher will need to complete this section based on their own students**

 **2. Objectives:**  ***What will the students in the program be able to do once they have completed the program?***

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| **SAMPLE:****The objectives are as follows:** * At least 90% of participating students will be able to draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. This objective can be evaluated using pre and post testing assessments.
* At least 90% of participating students will be able to understand that the first number of a coordinate pairing indicated how far to travel from the origin in the direction of one axis and the second number indicates how far to travel in the direction of the second axis with the convention that the names of the two axes and the coordinated correspond.
* At least 85% of participating students will increase their leadership skills. My students will be trained to be “math buddies.” My students will learn how to teach math to younger students in our Math Buddy Program.
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***Describe how this project relates to your curriculum.***

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| **SAMPLE:**This project helps me teach my curriculum in a way that students learn the information quickly and easily. The materials and activities are easily aligned with my current curriculum and with the Learning Standards. The best practices model I develop will make it easy for other teachers to implement in their classrooms as well. |

***Identify specific learning standards and performance indicators that this project addresses.***

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| **SAMPLE:**This enabling project (Get Up on the Grid) utilizes floor mats that fulfill many different Learning Standards: the Cartesian Coordinate Hop mat and the Fraction Walk mat. The Cartesian Coordinate Hop mat helps students learn how to generate measurement data by measuring lengths of several objects to the nearest whole unit or by making repeated measurements of the same object. My students will eventually be able to represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation using this interesting mat. The Fraction Walk mat will provide a foundation of mathematical knowledge to help support the study of these complex algebraic concepts. On a basic level, students will be able to solve word problems involving addition and subtraction of fractions referring to the same whole including cases of unlike denominators using this mat and be able to interpret a fraction as division of the numerator by the denominator. |

**3. Activities:  *What are the students going to be doing? Be Specific!!***

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| **SAMPLE:**For most of my older students, the Cartesian Coordinate floor mat will function mainly as a visual guide to supplement their learning on paper. They, and younger students learning basic algebraic skills, can jump on the mat onto a desired coordinate that they find after they fill out an answer on their worksheets. I can also ask them to jump on a coordinate location after I give them the coordinates. The Fraction Walk floor mat provides each student who is struggling with more challenging algebraic problems, or possesses a wavering understanding of basic fractional concepts, a visual and interactive guide to the Cartesian Coordinates mat. Students who fail to provide a correct fraction for the algebra problem, or students who appear to have trouble understanding fractions in general, I will send to the Fraction Walk floor mat to work alone or with a buddy. |

**4. Proposed Timeline**: ***How much time will be involved in this project?***

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| **SAMPLE:**We will use the materials at least three times per week for five to 20 minutes each time, depending on what concepts and skills we are working on that week. |

***How long will it take to achieve your objectives?***

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| **SAMPLE:** We will meet, and likely exceed, our objectives within the four-month project period. The materials are flexible so that we can take the concepts deeper as students gain the necessary skills and understanding. |

***What is the proposed starting date? What is the completion date?***

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| **SAMPLE:**We will use the materials to increase student understanding of Cartesian coordinates from the date we are able to obtain materials (within one month of being funded) The materials are flexible in content – they can be used progressively in ways that support the students as they gain new skills and understanding. |

**5. Evaluation:  *How will you determine if the objectives have been accomplished and that student learning has occurred? What plan do you have for sustaining this project beyond this year?***

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| **SAMPLE:**The success will be evaluated by pre- and post-testing of the students basic algebra and math abilities over the four-month project period. We will also track our activities – which ones we do and for how long – so we can determine what is creating the greatest impact in the project and to identify anything that needs to be improved. |

 **6. Budget:**  ***An itemized budget must be accurate and complete. All items must be connected directly to your project. For unique items, please include detailed information or copies from catalogs.***

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| **SAMPLE:**I propose to purchase the following items to support my students’ number sense and their basic understanding of linear algebra. 1) Math & Movement Cartesian Coordinate Hop ($395); 2) Math & Movement Fraction Walk Floor Mat (full set) ($295); 3) Reduced shipping. The total for these three items is $750.  |