

About Education Blueprints Association:

Education Blueprints Association (EBA) is a 501(c)3 not-for-profit with the mission “To provide resources and programs that deliver education solutions for individuals, teachers, and students.” EBA focuses on championing for learners in science, technology, engineering, and mathematics (STEM) education by designing, developing, and implementing programs at all levels of the educational continuum.

About LEGO Education:

LEGO® Education designs and produces total solutions for afterschool environments, schools, and clubs with the goal of being part of a child’s entire afterschool and school career.

LEGO Education wants students to associate LEGO Education sets with fun-filled, rich learning experiences; and, teachers and childcare professionals to see LEGO Education sets as essential tools that engage their students, challenging their creativity, and significantly enhancing their knowledge and understanding.

About the Afterschool Program Grant:

The Elementary Afterschool Program Grant, offered by EBA, is open to all accredited elementary schools in the United States who are interested in bringing STEM-based hands-on activities to their school-based afterschool program. Schools may be public, private, or charter institutions.

As part of the grant, schools will provide feedback on how to best integrate hands-on LEGO Education solutions into their afterschool program. Schools will also serve as best-practice and reference sites for LEGO Education. Feedback may be collected via phone or in-person interviews and e-mail, and site visits to the schools may also be made by LEGO Education personnel.

Upon selection, grant recipients will receive a preselected package of LEGO Education elementary STEM products. Grant recipients will also receive online/phone conference training on the LEGO Education philosophy of learning and how to use the products in an elementary afterschool program.

Overview and Components of this Grant Program:

The grant will be awarded to 11 accredited public, private, or charter elementary schools across the United States. The grant program funds all materials needed with the exception of staff time, and taxes (if applicable). As part of the grant, applicants are asked to commit to implementing LEGO Education solutions for a minimum of three academic school years, meaning they will continue to use LEGO Education solutions during the elementary afterschool program in the school during that time. This requires no additional purchases or training, only a commitment to use LEGO Education solutions in the elementary afterschool program.

Funded through the grant program are:

- \$1,991.95 for the LEGO Education WeDo Robotics – Getting Started Package II
- \$645.95 for the LEGO Education Simple Machines Getting Started Package
- \$131.90 for shipping
- **Tax, if applicable, is the responsibility of the school.**

To apply for this grant, please complete the grant application and submit it to:

Education Blueprint Association

Attn: Jill Ward

P.O. Box 1282

Pittsburg, KS 66762-6012

admin@edublue.org

Thank you for taking the time to complete this form. We appreciate the great work you are doing in education and hope to further that work. Completed applications must be delivered (either via email or mail) to EBA by **April 15, 2013**. Schools selected to participate in the program will be determined and announced on the EBA website (www.edublue.org) by May 17, 2013.

DRAFT

To apply for this grant, please complete the grant application and submit it to:

Education Blueprint Association

Attn: Jill Ward

P.O. Box 1282

Pittsburg, KS 66762-6012

admin@edublue.org

Thank you for taking the time to complete this form. We appreciate the great work you are doing in education and hope to further that work. Completed applications must be delivered (either via email or mail) to EBA by **April 15, 2013**. Schools selected to participate in the program will be determined and announced on the EBA website (www.edublue.org) by May 17, 2013.

School Information:

Name of School	Camdenton R-III Dogwood Elementary
Address of School	PO Box 1409

Who will be the **primary contact** for this grant?

Name	Sherry Comer
Title	Afterschool Services Director
Phone	573-346-9233
E-mail Address	scomer@camdentonschools.org

Please tell us about your school

School District	Camdenton R-III Schools
Type of School (Public, Charter, Private)	Public
Began Operation (year)	1931
Number of Students (approx.)	District 4,200 (K-12) For this grant: Dogwood (K-2)
Number of Teachers (approx.)	300
Title 1 Status (Yes or No)	Yes
Percentage of Students Receiving Free or Reduced Lunch	56%
Grade Levels Served	District K-12 For this grant: 1-2
Area of focus, charter theme, or other goals	STEM in Afterschool
Special awards or accolades	State Model for Afterschool Programs, District Accredited with Distinction (14 years), Afterschool Director honored as State Champion in Washington DC, Director Outstanding MoSAC Afterschool

	<p>Professional of the Year, MoSAC Afterschool Program of the year, Project Based Lessons recognized at a National level. Three time world championship qualifier for <i>FIRST</i> Robotics out of four years through afterschool program. Numerous other <i>FIRST</i> awards 4th- 12th grades including: Gracious Professionalism, Judges Choice, Program Design, Entrepreneur Award, and Safety Awards.</p>
<p>Other notable information about your school you would like to share</p>	<p>The Camdenton R-III School District has a proud and long-standing tradition of excellence in the state of Missouri and has received numerous local, state, and national awards of distinction for the achievements of our community, students, and teachers. Our school district is nestled in the heart of one of Missouri's top tourist regions, the Lake of the Ozarks, and our students benefit from the diversity and unique flavor of our beautiful lake region. The Camdenton R-III School District has a student population of over 4,200 students with nine school facilities on three campuses employing over three hundred teachers and over six hundred employees. From our award winning elementary schools to our highly recognized high school, Laker Pride can be found throughout our community as can the commitment to continued excellence displayed by the numerous stakeholders that create the Camdenton R-III School District.</p>

If selected for this grant, will you commit to implementing LEGO Education in your after school program for three academic school years? Please describe how you envision the implementation might evolve and expand over the 3-year period.

The implementation of LEGO Education is not new to the Camdenton R-III School District. Ten years ago the Camdenton Afterschool Services programs wrote Engineering LEGO labs grants and were awarded through the Missouri Department of Elementary and Secondary Education. These labs have been used in numerous ways throughout the years to support state standards, district curriculum and project based learning. In addition to use in the classrooms the labs also support a growing and thriving *FIRST* robotics program throughout the district. In just four short years the Camdenton R-III 4-H *FIRST* LASER (Laker Afterschool Science Engineering and Robotics) programs have grown from 21 HS students to 250+ students in grades 4-12. Additional growth is expected with the implementation of JrFLL in the 2013/2014 school year. Camdenton R-III will be only the second school in the state of Missouri to have the complete *FIRST* Robotics system. (JrFLL, FLL, FTC and FRC) Due to the number of students interested a lottery system is used to form teams for the *FIRST* LEGO Leagues (FLL) at the elementary levels.

The long term goal of the *FIRST* teams at Camdenton is to eventually have a building that can support all four *FIRST* programs so mentoring can occur more frequently from group to group and age division to age division. The community of Camdenton and the school district supports the Afterschool Program by providing space and limited supplies for the district and some funding for small salaries in regards to *FIRST* robotics coaches. Financing such a large endeavor can be overwhelming and this grant would facilitate the JrFLL implementation at a faster pace, allowing more students to be served.

LASER Robotics was recently named a National and State model for Robotics and STEM education in Missouri. Our students Co-host the Show Me Robotics Challenge at the State Fair and recently helped to plan and implement the first annual Missouri 4-H Robotics conference that was attended by 13 states. Expansion of services will be a bonus to an existing system that is well established and has school and community support in regards to mentors and parent involvement. Additional funds to purchase kits will allow more students to experience the world of STEM and encourage more parental involvement through *FIRST* and LEGO.

Please briefly tell us about the students and the community your school serves.

Our students are from a rural community of 3,200 that has little industry and no large corporations. It is important that our students have the same opportunities as students in metropolitan areas in regards to STEM opportunities. The district wants to equip and well arm our youth so that they can contribute to an ever changing global world and have skills to contribute in a positive manner to society.

Please briefly tell us about the key people who would be involved in implementing the LEGO Education Afterschool Program Grant at your school/center and any background they have with LEGO Education products.

Director of Afterschool Services – Sherry Comer Mrs. Comer has been recognized at a national and state level for her efforts to provide opportunities to youth and promote positive learning environments for students and the community. Mr. Mitch Comer – *FIRST* Robotics head coach and Industrial Technology Teacher – Mr. Comer has been state Technology teacher of the year, HS Teacher of the Year and recognized for many different leadership roles over his 24 years in education. Jane Noyes Head FTC and FLL Coach – Ms. Noyes is a highly effective leader that brings a math and science background to her leadership role overseeing 14 FLL teams and 5 FTC teams.

Have you and/or the staff and administration had prior experience with or received prior training in LEGO Education products? If so, please describe.

Yes, numerous *FIRST* robotics coaches and staff have received LEGO training for *FIRST* LEGO league and also Academy of Engineering training from LEGO.

How do you envision these resources transitioning into or being shared with classrooms/teachers during the school day?

All teachers will have access to the items when not in use by *FIRST* teams. The Engineering labs are still used extensively when preparing for our state standardized tests and for numerous enrichment activities.

What products does your school currently use in the afterschool program?

NXT bots, LEGO engineering labs and numerous other extension kits.

Please provide a description of your current afterschool program and highlight specific areas of focus.

The Camdenton R-III School district commits to creating an afterschool environment that extends to the entire school community by fostering educational experience to ensure individuals reach their full potential and perform to their highest level. This will be accomplished through a set of comprehensive programs and services that provide opportunities for students to achieve their goals as measured by appropriate standards in an afterschool setting.

- * Guaranteed and viable curriculum linked to state standards and district curriculum
- * Challenging goals and effective feedback
- * Parent and community feedback and involvement
- * Safe and orderly environment

About 1,000 students and adults participate in the Afterschool programs district wide annually, out of approximately 4,200 students in the school district.

COMPONENTS OF AFTERSCHOOL SERVICES

- * Open library before school
- * Afterschool programs district wide
- * Homework help
- * High School Credit Recovery
- * Fantastic Fridays (4-H, Writer's Club, Music lessons, Archery, etc...)
- * English Language Learners Programs
- * Robotics (High School *FIRST*, MS *FTC* & *HA FLL*, *OBE FLL*, *ORI FLL*)
- * Project Based Lesson linked to district curriculum and state standards
- * *FIRST* Robotics (*FRC*, *FTC*, *FLL* & *JrFLL*)

Food services and transportation are also essential components of the afterschool program. Extended day activities begin immediately afterschool and end at 5:30 pm. Students receive a nutritious snack as they arrive. Evening transportation to designated drop off points is provided for students who need it, making the program as convenient as possible for parents.

Please provide a description of how you feel the addition of LEGO Education products will impact or improve your program.

Receiving this grant would enable the Camdenton R-III Afterschool Services department the ability to allow more students to participate in *FIRST* robotics and expand other STEM opportunities for our youth. These opportunities will include parent and community involvement. Demonstrations and presentations at a local, state and national level will also take place as the Afterschool Director is an Ambassador-Emeritus for the National Afterschool Alliance, serves on the Missouri Afterschool State Network Board and is also on the State Afterschool Conference planning committee for fall 2013.

The more project based experiences that we can provide for our students the more excited they will become about STEM. The afterschool programs goal is for our students to take more rigorous courses when they enter Middle School and High School. *FIRST* robotics and other STEM activities encourage students and inspire them to push beyond what they think their limits are.

Please tell us why you are interested in receiving this grant.

We would love to be awarded this grant to help grow our STEM initiatives and strive to meet our goal to make FIRST robotics and other STEM initiatives available to all students. We are building our system one piece at a time and want a firm structure in place so that our system will be here for years to come.

Please tell us about anything else you would like the Educational Blueprints Association to consider in making our grant decision.

Our district motto is "Everyone Learning Every Day!"

To measure the effectiveness of the Afterschool Program Grant, LEGO® Education may ask that the schools agree to provide additional information or be open to partaking in a variety of activities. Please mark whether your schools would be open to the following checklist of items if selected as an Afterschool Program Grant recipient.

	Yes	No
We will operate the program for a minimum of three (3) years.	X	
Every facilitator using the products in the program will receive online or phone conference training prior to the start of program.	X	
We will be open to having facilitators present at conventions, conferences, and other events when requested.	X	
We will host community events in conjunction with a major convention in the area when requested.	X	
We will contribute to LEGO Education community websites and forums.	X	
We will participate in third-party case studies that allow access to student data for research projects.	X	
We will provide photo releases of students for multimedia, print, and digital marketing.	X	
We will allow profiles of our school on websites or other online mediums.	X	
We will welcome guests and potential customers to your schools to view the programs in use.	X	
If applicable, is your school willing and able to pay sales tax on the products in the grant?	X	

Thank you for taking the time to complete this form. We appreciate the great work you are doing in education and hope to further that work. This application is due April 15 and winners will be announced May 17.

Scoring Rubric	Point Scale
Descriptions of three-year vision for use and how it will improve your after school program.	Up to 25 points based on vision and plans
Description of the key people who would be involved in implementing the Afterschool Program Grant	Up to 10 points
Description of your current program	Up to 10 points based on the program described and the level of description provided
Description of how products can/will transition into classrooms during the school day	20 points based on description of plan
Description of why the applicant is interested	Up to 15 points based upon the information given and the level of description provided
Checklist Agreement	
The number of items from the checklist the applicant is willing to participate in	Up to 20 points based upon the number of activities the school is willing to agree to

DRAFT