



The Birmingham Education Foundation

2016-17 GREAT IDEA GRANT APPLICATION FORM

The **Mission:** Birmingham Education Foundation raises private funds from our community to ensure academic excellence and innovation in the Birmingham Public School District.

Grant applications are reviewed on a rolling basis. The Foundation will let you know the status of your grant within 60 days of receipt. The Foundation meets the second Monday of each month from Sept to June to consider grant requests. Grants need to be received 5 days prior to a meeting to guarantee consideration at that month's meeting.

Each year the BEF appropriates a sum to be used specifically for technology grants. Technology grant applications are due December 1, 2016. Please see the technology grant application for more information.

GRANT APPLICATION GUIDELINES (Please read carefully prior to applying.)

1. Great Idea Grants do not fund transportation of any kind, professional development or salaries of staff or coaches, individual student scholarships, consumable goods, events that have already taken place or items that have already been purchased.
2. Any dollar amount will be considered.
3. Grant applications must be for things that align with the BPS strategic plan, the mission of the BEF, and for those things which fall outside of the district budget, which includes the 2015 Bond.
4. Great Idea Grants are not designed to provide ongoing funding. Grants will be eligible for full funding for the first two years of a grant initiative and for 50% funding in the third year.
5. Grant requests must be made by a BPS employee.
6. Grants must be submitted with a detailed budget and signed by a BPS administrator. District approval is required for all grants.
7. Grant recipients agree to report back to the BEF regarding their grant at the completion of activities funded by the grant, or within 6 months of the grant being awarded, whichever comes first. Failure to report may impact future grant eligibility.
8. Any funds not used by the grant recipient should be returned to the BEF.
9. The BEF believes in partnership with other school organizations to make everyone's limited funds go further. We highly encourage grant seekers to explore other funding sources in addition to the BEF in order to fully fund grant initiatives. If you are not sure what other funding sources might be available, please contact your principal.
10. The BEF grant committee is made up of educators, former educators and community members, all of whom want the best for BPS students. As you write your proposal, please keep in mind that jargon and acronyms commonly used in education may not be understood by our community members.
11. Visit www.supportbef.com/grant-applications to download and review the sample grant application prior to completing this application.

GRANT APPLICATION

Staff name(s): Mr. Bob Vila Date: 10/1/16

Email address(es): oldhouse@birmingham.k12.mi.us

Phone: 248-203-3030

School(s): Berkshire

Title or Topic of Grant: Electrical Engineering and House Wiring Unit

Amount of Grant Request: \$1,366 Have you requested funds from other sources? Yes No

If you have requested funds from other sources, please explain: The PTA has agreed to give \$500
towards this project.

Could your initiative be successful if it received partial funding from the BEF? Please Explain. Yes. I would have
the students work in larger groups if needed.

Projected Start Date: Oct. 2016

Projected End Date: Nov. 2016 or Ongoing

Grade of Students Impacted: 7th & 8th

Number of Students Impacted: 200-300

Have you viewed the sample grant on our website prior to completing this request? Yes No

Narrative Description of Grant Request

Please give a detailed narrative description of your project and how it will benefit students.

Use as much space as necessary to describe the full scope of your project.

Funds from this grant will be used to build sixteen additional wall units for learning basic home wiring in the Berkshire Eng. Tech. classes. The wall units can be bought complete, but to save funds, I am planning to buy the individual pieces and lumber and then build them myself. The students will learn the basics of electricity first, such as terms, what electricity is, how it flows, how a switch works, and basic circuitry. The students will then be taught through hands on work how to wire a circuit from a breaker panel to an outlet, then how to have a switch control the outlet, then how to have the switch control a light, but not an outlet and so on.

How do you plan to evaluate the success of your project?

I will be evaluating student's progress during each step of our unit, and at the end of the project to determine the student's level of understanding.

Provide a timeline for your project:

Once I receive funding, I will purchase the necessary supplies and build the wall units. We will spend the first two weeks of October learning the terms, what electricity is, how it flows and how a switch works. During the third and fourth week of October, we will be learning how to properly handle the tools, and the basics of wiring. Once I am confident the students understand how to work with the wall units safely, we will move on to the wall units and wiring the various configurations. We will wrap up the unit during the weeks prior to Thanksgiving, as the students learn to wire from the breaker panel, to an outlet and light bulb in various configurations.

Provide a detailed budget for your project:

Grants must provide a detailed budget before they will be considered. Grants without a detailed budget will not be considered.

About half of the funds from this grant will be used to purchase the wood, electrical boxes, and wire needed to build sixteen wall units. The remaining funds will be used to purchase the tools necessary to complete the wiring projects required for the electrical wiring unit. The tools requires are:

1. Flat head screwdriver
2. Phillips head screwdrivers
3. Wire strippers
4. Utility knives
5. Multi-meters
6. Electrical tape
7. 14-2 cable
8. 14-3 cable
9. Linesman pliers
10. Long nose pliers
11. Continuity testers
12. Wire clamps
13. Wire nuts
14. Circuit breakers

The wood and supplies needed for building the wall units for this project is as follows:

1. 2x4x96 pine	20	\$2.90/piece	\$50.00
2. 1x8x8 pine	5	\$5.90/piece	\$29.50
3. 2x4x10 pine	8	\$4.00/piece	\$32.00
4. 1 5/8" screws	1 lb	\$4.37	\$4.37
5. #5 Deckmate screw	5lb	\$23.48	\$23.48
6. 20 amp male plug	16	\$3.99	\$63.84
7. 4" octagan box	16	\$1.79	\$28.64
8. Switch box w/ear	64	\$3.50	\$224.00
9. 2 Space panel	16	\$16.99	\$271.84
10. 20 amp breaker	16	\$6.74	\$107.80
11. Plastic socket	16	\$4.49	\$71.84
12. 14-2 romex 250'	1	\$42.99	\$42.99

The other supplies needed to complete the various projects are:

1. Linesman pliers	16	\$5.49	\$87.84
2. Phillips screw driver	16	\$1.49	\$23.84
3. Slot screw driver	16	\$1.49	\$23.84
4. Wire nuts 100 pk	1	\$7.99	\$7.99

5. Electrical tape	16	\$0.69	\$11.04
6. Wire stripper	16	\$7.93	\$126.88
7. 6" long nose pliers	16	\$3.49	\$55.84
8. Utility knife	16	\$4.49	\$71.84
9. 14-3 romex 250'	1	\$69.99	\$69.99
10. 15 amp dbl/p switch	40	\$2.79	\$44.64
11. 15 amp sfl/p switch 10pk	2	\$6.99	\$13.98
12. 15 amp duplex outlet 10pk	4	\$6.99	\$27.96
13. Storage box w/latch	16	\$7.99	\$127.84
14. Continuity tester 3pl	16	\$13.86	\$221.76

Total cost for the project: \$1865.58

Donation from the PTA: \$500

Total requested from the BEF: \$1366

Applicant Signature: Robert Vila

Principal/Supervisor's Signature: Bob's Principal

Grants must be signed by a principal or supervisor before they will be considered.