

Ameren Missouri Energy Efficiency STEM Kits

- For Teachers For Parents For Students Installation Instructions Frequently Asked Questions Contact Us



Preparing High School Students for the Future

Introducing the Energy Efficiency STEM Kits, offered by Ameren Missouri. This exciting program is designed to educate high school students on the benefits of energy efficiency. Real-life scenarios serve to prepare students on their way to becoming informed consumers, while incorporating a rich workforce development and career exploration component. Students benefit from energy-based classroom curriculum and continue the journey at home with an energy-saving product kit.

Each participating student and teacher will receive a Smart, Wi-Fi-enabled LED Light bulb that is compatible with Alexa and Google Home Hub, as well as a Watt Meter. Control your Smart LED light bulb with your voice, or from your phone. Set your lighting to timers, put it on a schedule, and you can even set the LED's color-changing effects to the beat of your own music. Your new Watt Meter will help you understand and measure how much energy each appliance in your home uses, allowing you to take steps to lower your energy consumption. Get started with life-long energy-saving behaviors with these exciting new products!

Enroll Your Class Today

For Teachers

For Teachers: Why Participate?

Seamless integration. Engaging and relevant materials easily integrate with your existing high school curriculum. Energy-based lesson plans meet individual academic state standards, and the foundation set forth by Science, Technology, Engineering and Mathematics (STEM) skills.

Timely topics. This hands-on educational program helps your students explore the world of energy efficiency while educating and preparing them to become informed consumers.

No cost to you. This program is paid for through utility rates and has no separate fees for participation. Each actively participating classroom has the opportunity to receive a \$50 classroom reward.

No-cost energy efficiency kit. Your students will receive fun-filled educational materials that they can take home, including an energy efficiency kit containing a smart LED bulb and watt meter.

Enroll Your Class Today! There are a limited number of kits available each school year. If you are interested in participating enroll here or call 1.877.215.5752.

Have questions? Check out our [Teacher FAQs](#).

For Parents

For Parents: Why Participate?

Did your high school student come home with an Ameren Missouri Energy Efficiency STEM kit? Congratulations! This is the first step in helping your student become an informed consumer, while helping you to save energy at home. Here are a few ways you can support your high school student's education:

- Help your student install the Smart LED Light Bulb from their take-home kit. You can also use the Watt Meter together as a family. You'll save energy and money in your home and learn as a family. Need help with your new products? [Click here for installation instructions](#).
- Participate in the home audit with your student and find additional opportunities for savings.
- Explore the career analysis and readiness component with your student. Help your student prepare for a STEM-based career, create an action plan, and set goals for the future.

If you have any questions or would like more information regarding Ameren Missouri Energy Efficiency STEM Kits, please check out our [FAQs](#) or call us at 1.877.215.5752.

Engage in Energy-Saving Habits with Your High School Student

Ameren Missouri Energy Efficiency STEM Kits was developed to help your high school student learn more about energy, how to make educated decisions about home energy use, and how use energy more efficiently. In addition to gaining this practical knowledge, your student will also explore real-world preparation topics, including life skills, career readiness, goal setting and budgeting. Finally, the energy-saving kit provided to your student will help you start saving energy right away, while engaging your student in energy efficiency habits.

For Students

For Students: Why Participate?

Become informed. Did you know you have the power to control how much your family spends on energy each month? Learning about energy efficiency will also prepare you to become an informed energy consumer, and how to control your own energy usage when the time comes.

Save energy. You can start saving energy today. With the help of your parent or guardian, install the products from your Energy Efficiency Kit around your home. Conduct the home-audit together and find more opportunities for savings. Need help with your new products? [Click here for installation instructions](#).

Prepare for the future. Interested in a STEM-based career? The Ameren Missouri Energy Efficiency STEM Kits incorporates workforce development and career exploration. Engage in career analysis and readiness and learn about what career is right for you. Then create an action-plan to reach your goals.

Have additional questions? Check out our [FAQs](#).

Saving Energy Starts with You

As a future utility consumer, now is the perfect time to learn about energy and how to use your resources more efficiently. The Ameren Missouri Energy Efficiency STEM Kits will introduce you to energy-based concepts using real-life scenarios, talk about the benefits of saving energy, and help you prepare for the future by covering topics such as budgeting and how to read a sample energy statement.

Installation Instructions

Have you received an Energy Efficiency Kit, but need help installing the products? We can help.

Smart LED Light Bulbs

<https://www.amerenmissourisavings.com/education>

Installation instructions to download:

[Smart LED Installation Instructions](#)

Frequently Asked Questions

Q: What is the Ameren Missouri Energy Efficiency STEM Kits?

A: The Energy Efficiency Kits STEM program was developed to teach high school student's easy ways to use energy more efficiently in their homes. In addition, the program prepares students for the future with a workforce development and career exploration component.

Q: What is included in the Ameren Missouri Energy Efficiency STEM Kit?

A: The program is divided into five education modules, allowing students to explore concepts such as Home Energy Use, Efficiency, Managing and Using Renewable Energy, The Transmission and Distribution System, Generation, and Grid Optimization. Educational content analyzes the connection between energy and water, using the Socratic Method of Discovery. The program incorporates a rich workforce development and career exploration component, presenting opportunities in the Green Economy Sector and other STEM careers. Teachers receive a teacher book with lesson plans and engaging activities that can be done inside and outside of the classroom. Teachers and students receive an interactive student notebook and an energy efficiency product kit. The kit includes energy efficient products that will help students implement classroom lessons at home. The kit includes:

- (1) Smart A19 LED Bulb, Color Changing, Wi-Fi Enabled, Alexa and Google Home Hub Compatible
- (1) Watt Meter

Q: What are the participation requirements?

A: Participation requirements are minimal. All we ask in return for your participation in the program is that your students complete a short Student Survey. The Student Survey contains a pre- and post-program quiz. Survey responses help gauge the knowledge gained by each student during the program. If your students take a pledge to be energy efficient and return their Student Surveys, each student will receive a Certificate of Achievement. A self-addressed postage-paid return envelope is provided in your Teacher Materials. If your class returns 80% of the surveys, your classroom will receive a \$50 gift card.

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Q: Is there an enrollment deadline

A: There are a limited number of kits available for each school year. If you are interested in participating, enroll now.

Q: Is there a cost to participate in the Energy Efficiency STEM Kits?

A: There is no cost to your students, or your school district. The program is paid for through utility rates and has no separate fees for participation.

Q: Are there a maximum number of kits for each class?

A: One kit will be provided for each student enrolled in your class. There is not a maximum number of kits for each class; however, there are a limited number of kits for each school year. When this maximum number of kits has been reached, no more classrooms will be able to participate until the following school year.

Q: What are the benefits of participating?

A: Your school will get to work with Ameren Missouri on a select program that can make an impact in your community. In addition to teacher lessons that promote wise lifelong use of energy, each participating teacher will receive a gift card in the amount of \$50 for their classroom, when 80% of their Student Surveys are completed and returned by the indicated date.

Q: What do I do if an LED bulb breaks?

A: LED bulbs do not contain hazardous materials, so please dispose of broken LED bulbs the same way you would dispose of broken glass. However, since 95% of an LED bulb is recyclable, recycling them is the best way to dispose of them. Visit Earth911.com for recycling locations in your area.

Contact Us

Do you have questions that are not covered in our [FAQ](#)? Complete and submit the form below or give us a call at 1.877.215.5752

Are you a teacher ready to enroll? Click [here](#) to get started.

First Name*

Last Name*

Email*

Phone*

Message*

Enter your message or question here...

*Fields Required

Submit