



**ASM-Milwaukee Chapter
EGMF Committee
P.O Box 370138
Milwaukee, WI 53237-1238**

March 30, 2015

Dear Science Educator

On behalf of the ASM-Milwaukee Chapter and its Ernie Guenther Memorial Fund Committee (EGMF), I have attached this year's Teacher Grant Application. ASM-Milwaukee has granted educational funds for the past thirty years within Wisconsin, with the goal of improving the visibility of materials science in the community. Materials science and engineering is a study of the relationship between the structure of materials at atomic scales and their macroscopic properties. Application is simple; make your statement strong and brief.

ASM-Milwaukee Teacher grants are focused at funding projects that generally emphasize material science education. Thus, the applied science boundary is not rigid; nor, is the grant amount fixed. ASM-Milwaukee Teacher grants typically range as shown on the enclosed Application Information sheet. Grants tend to be flexibly supportive of an educator who has a unique idea of educational merit that will not be funded due to budgetary constraints. It is not meant to be a grant for normal supplies, or a routine common classroom item. It is meant to fund your idea of a new educational method, technique, experiment or advance that will help your students learn about science. Given that ASM-Milwaukee is an outgrowth of the American Society for Materials, we tend to emphasize material science education. Hence, our focus is generally towards helping Physics and Chemistry teachers; but we have supported at least one creative pre-school teacher in the past.

The ASM-Milwaukee Chapter and its EGMF Committee would be pleased if you would convey this Teacher Grant application information to one or more science teachers at your school.

ASM-International is the engineering materials information society. ASM-Milwaukee Chapter is the local chapter for the state of Wisconsin. The deadline for Teacher Grant submission is Friday, May 29, 2015. For more information regarding ASM-International: <http://www.asminternational.org/>
For more information regarding ASM-Milwaukee: <http://asm-milwaukee.org/>

For questions, you may contact Susan Kerber (262-246-9610) or Bruce McKay (414-425-0961).

We look forward to receiving one or more applications from your school this year.

Sincerely,
James Meudt
Chairman EGMF
Ernie Guenther Memorial Fund Committee
ASM Milwaukee Chapter

Ernie Guenther Memorial Fund
Teacher's Grant Program – 2015 Application Information

Teacher's Grant Program:

The Milwaukee Chapter of ASM-International promotes participation, growth and professional development in the field of Material Science and Engineering within the State of Wisconsin. The Ernie Guenther Memorial Fund (EGMF), is interested in receiving "Teacher's Grant" proposals from Wisconsin elementary, middle and high school teachers. This program is aimed at promoting education on engineered materials. Proposals must be for small, classroom projects aimed at science education for grades K-12, with special focus on metals and materials whenever possible. The request should focus primarily on permanent equipment rather than only consumables. Funding may range from \$500 - \$1500 for these projects and may be available for one or more proposals each year.

Teacher's Grant Proposal Guidelines:

Proposals must include the following:

- Specific details regarding the need for funding, i.e. stating that the science budget has been reduced is not sufficient criteria
- The use of the funds including a detailed budget with specific supplies, vendor and prices listed for the equipment required for the project, not just consumables
- Scope of the project
- The grade(s) of the students who will participate in the project
- The name & address of the school where the project will be conducted
- The name, email, and telephone number of the school principal
- The name, home mailing address, e-mail and telephone number of the teacher proposing the project

Proposals are due by May 29, 2015, and will be awarded during the October meeting of the ASM-Milwaukee Chapter. Proposals should be limited to four pages. Any questions regarding this program should be directed to the ASM-Milwaukee Chapter, EGMF Committee members, Susan Kerber (262-246-9610) or Bruce McKay (414-425-0961). Grant recipients must be willing to provide a one-page letter outlining how the project worked and how the students received it.

Proposals are to be mailed to: James Meudt, c/o ATI, 5481 S. Packard Ave., Cudahy, WI 53110

Examples of Previous Grants:

- A grant was awarded for a general science kit for elementary grade classes. A teacher proposed the purchase and utilization of this kit to expand the study of science in her classroom. The teacher has reported that this project has been a success and well received by her students.
- Another grant was awarded for computer probes to be used in high school physics classes to gather improved data from experiments rather than approximations from the use of stopwatches, alcohol thermometers and meter sticks.
- A school was awarded funds to purchase kits to develop a better understanding of electricity, conductivity, and magnetism.
- Solid state model kits were used to aid in student understanding of molecular and metallic structures.

Individual teachers are eligible to receive up to three Teacher's Grants, provided that only one per year is awarded and with a maximum of two in consecutive years.