

# STEM Guitar Building Institute



The National Science Foundation funded the LEAD Guitars in STEM project who is hosting STEM Guitar Institutes that provide an innovative professional development to high school and community college faculty.

Faculty from middle school to college will take part in an intense five-day guitar design/build project. Each faculty member will build his/her own custom electric guitar and will engage in student centered learning activities that relate the guitar design to specific math, science and engineering topics.

Participants will leave this weeklong experience with their-made, curriculum modules with short term assessments that can be immediately integrated into the faculty developed school curriculum, and much more.

Apply to participate in a 5-day electric guitar curriculum & build, learning new hands-on applications for STEM education. Complete application for consideration to receive fellowship (valued well over \$1500) to attend the STEM Guitar Building Institute in your region. A Stipend is available for this event.

**Who should apply? (Apply online @ [guitarbuilding.org](http://guitarbuilding.org))**

The institute application process is open to all STEM educators primarily focused in the 7-12 school grade level, community college and freshman / sophomore university instruction.

Application dates: Priority application date for consideration is March 15, 2017. Award letters will go out before March 31, 2017. Applications will be taken until all slots are filled at the institute.



The National Science Foundation STEM Guitar Project provides innovative professional development to high school and community college faculty.

#### Workshop Details for Teachers:

- STEM Learning Activities in the following disciplines: Physical Sciences, Math, Engineering, and applied Technology topics (That can include CAD, CAM, prototyping, Reverse Engineering etc.)
- Lab time for practical application
- Develop and share a STEM learning activity
- Guitar Body, neck, fret board selection and preparation
- Headstock design
- Fretting
- Electronics installation
- Neck Installation and Intonation
- Rock Star Friday



**Our Next Institute is @  
Sinclair Community  
College,  
June 12-16, 2017**



**APPLY ON LINE AT**  
**Guitarbuilding.org**  
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#### QUESTIONS

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