The AAVSO is proud to announce a National Science Foundation (NSF)-funded workshop on stellar spectroscopy with small telescopes. The goal of the Spectroscopy Workshop is to enhance the skills of amateur astronomers.

We are offering grants for five (5) high school teachers to attend the Workshop with other AAVSO citizen astronomers to learn the basics of stellar spectroscopy using small telescopes. The goal of the Teacher Grant is for teachers to take the knowledge and skills acquired in the Workshop back to their classroom and incorporate it into their science curriculum. Participating teachers who successfully document their spectroscopy curriculum and student projects will be invited to present at a future AAVSO Annual Meeting.

The NSF grant will reimburse the 5 teachers chosen to participate for travel and lodging costs up to $1,350.00 while the AAVSO will provide the recipients’ free workshop registration. Continental breakfast, two coffee/snack breaks and lunch will also be provided on both workshop days for workshop participants.

The Workshop will be held on November 3 & 4, 2021 from 8:00AM to 7:00PM at The Row Hotel in Somerville, MA (just a few miles from downtown Boston). Participants are also welcome to stay and attend the AAVSO Meeting on November 6–7. The registration fee will be waived, but you must contact the AAVSO in advance to register for the meeting and contact the hotel to book any additional room nights at your cost.

Participants who successfully complete the Workshop will receive the following free of charge:

- License to RSpec software
- Star Analyzer 100 Grating
- 1-year complimentary AAVSO membership
- Complimentary registration for the 2021 AAVSO Annual Meeting
- Opportunity to present your spectroscopy curriculum at a future AAVSO meeting

Please complete the Teacher Application below in as much detail as possible and submit by August 15, 2021, 11:59 p.m. ET. You may scan and email your application to kspirer@aavso.org or send via U.S. mail to:

AAVSO
ATTN: Teacher Workshop
49 Bay State Road
Cambridge, MA 02138

Email questions about the application to: kspirer@aavso.org
No telephone calls please. To learn more about the AAVSO, please visit our website, http://www.aavso.org/
Spectroscopy Workshop
Teacher Application

Name: ______________________________________________________________

School Name: _______________________________________________________

School Mailing Address: _____________________________________________

____________________________________________________________________

School Principal/Headmaster Name: __________________________

Your school EMAIL Address: _________________________________________
(All communication will be sent to your school email address)

Subject(s) you teach where spectroscopy could be incorporated: __________

____________________________________________________________________

How many years have you been teaching? ______ What grade level(s)? __________

Does your school have an astronomy curriculum in place already? _____Yes _____No

Brief description: _______________________________________________________

____________________________________________________________________

Do you incorporate hands-on activities in your science curricula now? _____Yes _____No

Do you plan on using the skills developed in this workshop to implement more hands-on activities?
_____Yes _____No

Tell us what kind of equipment access your school has now to support an astronomy/ spectroscopy
curriculum? Please check the item and include brand and model number (not a prerequisite for attending the
workshop).
____ DSLR (digital single lens reflex) camera ________________________________
____ CCD/CMOS camera _________________________________________________
____ Mount ___________________________________________________________
____ Telescope ___________________________________________________________________
____ Other _____________________________________________________________________
____ No equipment

Does your school have a safe and secure area for daytime and or nighttime observing?
Please feel free to attach an additional page to this application if necessary, to complete the following questions.

1. Please describe your experience with spectroscopy, if any.

2. What do you hope to learn in the Workshop that you can take back to the classroom. Explain how the knowledge and skills acquired in the Spectroscopy Workshop would benefit your students.

3. Would you be willing to give a 3-minute presentation at this workshop on how you currently use astronomy or spectroscopy in your lessons and/or how you hope to fit these topics into your future lesson plans? _____Yes _____No

4. Would you be willing to create and document a high school level spectroscopy curriculum, and have the AAVSO share it with the wider astronomy community? _____Yes _____No

5. Would you be willing to participate in post-workshop communications with AAVSO staff about the level of success you had implementing your curriculum? For example: student and parent reactions, curriculum adoption by fellow teachers, your own experiences, etc. This information would be included in the AAVSO’s final report to the NSF. _____Yes _____No

6. Tell us why you would be a good candidate for this NSF-funded opportunity.

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