

# Share the Universe with Youth

through Skynet Junior Scholars

## FOR 4-H LEADERS and INFORMAL EDUCATORS

Would you like to participate? Neither a science nor astronomy background is required. We'll provide all the training you need to guide your young astronomers through SJS activities. We will also provide ongoing online support to you and your Skynet Junior Scholars! Select an in-person or online workshop option. The time commitment of about 20 hours is the same for either option.

### ONLINE WORKSHOP

- Astronomical Society of the Pacific  
January FG- February GE, 2011

### IN-PERSON WORKSHOPS

- **Yerkes Observatory**  
Williams Bay, Wisconsin  
March FJ-GG, 2011
- **National Radio Astronomy Observatory**  
Green Bank, West Virginia  
April G-HI, 2011

COST: free! Travel, room and board are included for in-person training. Hands-on materials are provided.

For more details and registration information go to:  
<http://www.gb.nrao.edu/sjsworkshop/>

## WOULD YOUR YOUTH LIKE TO OBSERVE THE UNIVERSE WITH REAL RESEARCH TELESCOPES?

We thought so! That's why a group of dedicated scientists and astronomy educators created Skynet Junior Scholars. With a simple internet connection, young people can conduct all kinds of astronomy investigations with world-class telescopes in the US, Chile AND Australia. Suitable for middle school and older youth in 4-H clubs, afterschool and museum programs, Skynet Junior Scholars (SJS) offers:

- Access to Skynet Robotic Telescopes;
- Explorations: a series of inquiry-based STEM activities that engage young people in a variety of astronomy topics;
- Online web-portal allows youth to create an image gallery, share data with other young scientists, publish their results;
- Communication with astronomers, engineers, software developers and SJS staff;
- An opportunity for youth to advance, and assist astronomers with their projects.



Youth in your out-of-school-time programs may participate in SJS after you complete the SJS professional development workshop. In addition to your time and talent, participation in the project requires:

- 1) Your willingness to guide 5-10 youth through an SJS Exploration •^c à^Æ[çÈ 2011. Youth participants need access to reliable internet for the telescope activities, which can be pursued on their own, but we will rely on you to hold group discussions, and lead hands-on activities in an out-of-school or club setting.
- 2) Availability and willingness to provide feedback to staff and researchers in the project.



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THE NATIONAL SCIENCE  
FOUNDATION



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL

Skynet Junior Scholars workshops are designed for informal educators and youth leaders who hold out-of-school-time programs for middle school and high school youth. This 6-week workshop will give you practice in operating world-class telescopes, build your confidence in leading astronomy activities, and give you the tools to guide your youth through an exploration of our Universe. Each participant will receive a free toolkit of materials for hands-on astronomy activities.

The workshops are led by the Astronomical Society of the Pacific (ASP), the University of Chicago and the National Radio Astronomy Observatory.

## What You'll Learn

- Background on the fascinating questions explored by Skynet Astronomers using Skynet telescopes.
- How to conduct your own observations with Skynet telescopes.
- Hands-on activities to promote understanding of astronomy concepts.

## How You'll Learn

Along with 25 -30 other youth leaders and informal educators you'll experience the following:

- Observe the Universe with Skynet telescopes.
- Review brief reading materials and online videos.
- Try out hands-on activities at your place of work or with your club using materials from the free Skynet Junior Scholars toolkit.
- Participate in discussions in an online forum.
- Meet online for discussions/chats with your fellow participants and the Skynet Junior Scholar team.
- Ask Skynet astronomers questions.
- Create an implementation plan for engaging youth in the SJS program.

## Required Time Commitment

The online workshop will require ~3 hours per week for six weeks. You can fit this time into your schedule however it works best for you, though you should plan to log into the online forum a few times each week. The only "live" scheduled events are the weekly video chats. The Onsite workshop will require a similar time commitment, just concentrated into 2.5 days!

The support doesn't end when the workshop is completed. Following the workshop, we'll provide you with even more

opportunities for learning and discussion with each other and the Skynet Junior Scholar staff. You'll continue to interact with these colleagues, as well as astronomers and other experts .

## What You'll Need

- A completed application (including the required Commitment Form).
- The ability to try new astronomy programming with your youth group or at your institution.
- A reliable Internet connection and computer speakers or headphones so you can participate in live video chats.
- 3 hours per week (does not need to be a single block of time).

## Eligibility

To participate in a Skynet Junior Scholars workshop, you must lead a U.S. based out-of-school time program, work or volunteer for a U.S. informal education facility or be a leader of a youth group or club in the U.S. You should agree to guide 5-10 youth through an SJS Exploration set by November, 2015.

4-H Leaders are especially encouraged to apply. Past participants of AFGU workshops are also welcome to apply. Multiple applications from the same institution are welcome.

## Application

We can only accept online applications. You can access the survey on our workshop website at [www.gb.nrao.edu/sjsworkshop](http://www.gb.nrao.edu/sjsworkshop).

## Deadlines

In addition, we require a signed Commitment Form which you can mail, fax or scan and email to us. You must also have your supervisor or director complete and sign the form.

## Questions? Contact