

APPLICATION FOR ASTRONOMY WORKSHOP FOR SCIENCE PRIMARY AND SECONDARY SCHOOL TEACHERS IN NIGERIA 2017

Hands on Basic Space Science Training for Primary and Secondary School Teachers (HBSST) is a workshop designed to promote astronomy appreciation for primary schools and junior secondary school science teachers in Nigeria and to bring the basic observational tools of Astronomy and space science closer to them. This is a 3-day workshop which will cover Teachers from all Primary and Secondary School Nigeria, featuring talks, hands on activities, demonstrations, Water rocket building and launching, Construction of small optical Telescopes using locally made materials, observation using a small optical telescope, Eclipse and Solar system model making, planetarium, Solarscope, Experiments and demonstrations using Universe in a Box apparatus, group work and innovation as well as public outreach. These teacher hands on training will aim at upgrading the skills, teaching tools and aids of these teachers, equipping them with innovative and simple method of teaching and learning. The teachers will also be trained to use Basic Space Sciences activities as a teaching tool for their subject's concepts. The course material will include Astronomy based activities and hands on science/astronomy using locally available material.

Objectives of HBSST

This project aim to address the above-mentioned challenges through:

- (i) Training Primary and Secondary School Teachers in all Six Geopolitical Zones in Nigeria who will in turn supervised to train others and the chain continues
- (ii) Spreading scientific awareness on "Astronomy", popularizing space science through outreach programs and updating the entire public of any Astronomical events like eclipses, solar Halo, meteor showers, meteorite falls, etc before they happen as well as popularizing various activities of the IAU among the teachers and students of different schools and colleges in Nigeria.
- (iii) developing Academic Astronomy Materials like books, posters, CD, films, models etc and making them available to Teachers, schools and colleges for their classroom presentation at no cost.
- (iv) Forming an active Astronomy Instructors-Science Teachers Forum in different schools and colleges in Nigeria for Space learning and popularization continuity. (v) Promoting widespread access to the universal knowledge of astronomy through the excitement of astronomy proper use of internet to transmit Astro Knowledge across all Teachers, Schools and Colleges in Nigeria.
- (vi) Promoting knowledge on the preservation of our global cultural and natural heritage of dark skies through the awareness of observation of the night sky using simple locally made optical telescope.

(vii) Strengthening the existing networks of Astronomers by connecting these Teachers to the network of amateur astronomers, educators, scientists and communication professional through local, regional, national and international activities.

(viii) Supporting and improving all formal and informal science education among teachers in Nigerian primary and Secondary Schools.

(ix) Promoting collaboration between teachers in Primary/ secondary schools and Astronomers in the university of Higher learning in Nigeria to enhance various astronomical activities and observational facilities involving the schools, colleges and universities. Award details

Duration of workshop: 3-Days

Value: Free training, workshop materials, Launch, tea breaks, and accommodation

Eligibility: Must be a teacher in Any Primary/Secondary School in Nigeria.
Nationality: Only Nigerians
Level of study: PhD, MPhil, MSc, BSc, BEng, BEd, HND, NCE, OND, WASSC

Target Subjects: All subjects

Schools/Colleges: Open to all Primary and Secondary Schools in Nigeria

N/B: 1. Two workshop venue had been created in Rivers State University of Science and Technology (RSUST) Department of Physics (Rivers State) and Centre for Basic Space Science Department of Radio and Optical Astronomy (Enugu State) respectively.

2. Only Science teachers teaching in any private or government primary or secondary school are eligible to apply.

3. The event will hold in two venues of the country, Nsukka in Enugu State, from the 20th to the 22nd of April, 2017 and Port-Harcourt in Rivers State, from the 23rd to the 25th of April, 2017 respectively.

How to apply:

Applications are currently open for the 2017 workshop year. Applications should be submitted online by 12 noon on Friday 06th April 2017.

Online application: Please complete the online application form

Late or incomplete applications will not be accepted under any circumstances.

Candidates will be notified of the outcome of their application by 10th April 2017.

Follow the link to apply: <http://westafrica.astro4dev.org/2017-registration-and-deadlines/>