

Entry Form

Name of ZACUBE-1 Cubesat:

Short Description of the name (in 200 words):

Personal Details:

Name and Surname:

Grade:

Province:

Name of School:

School Address:

Postal Code:

School Telephone number:

Home Telephone number:

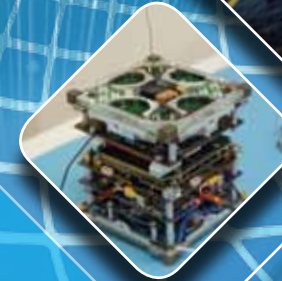
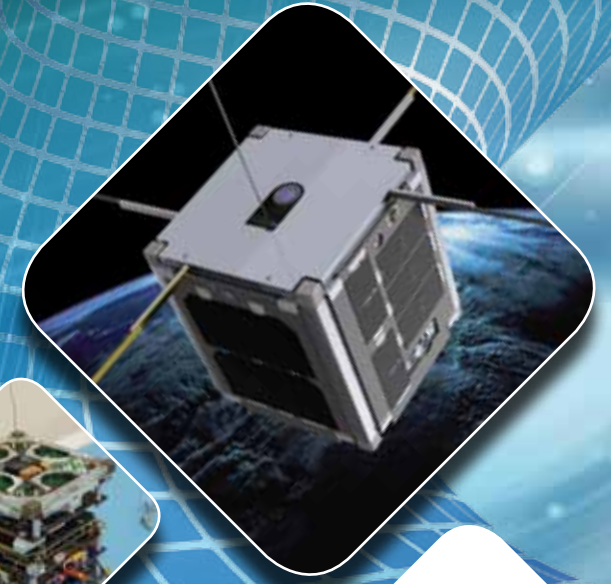
Mobile number:

Fax Number:

Email Address:

NAMING A CUBESAT COMPETITION

FOR GRADE 9 TO GRADE 12 LEARNERS



Background of ZACUBE-1

Cubesats are extremely small satellites, in the form of 10 cm cubes and with a mass of up to 1 kg (although there are some made up of two or three such cubes). Developed originally in the US, they are becoming increasingly popular with universities and technological institutes around the world because of their considerable educational benefits.

These tiny satellites have come a long way since Sputnik, the first satellite that was launched in 1957, weighing 83 kg. The success of the CubeSat programme has revolutionised space technology.

Cubesats provide both hands-on experience for engineers and technologists in their design and construction, and, once in orbit, the data needed to support scientific experiments and projects.

South Africa's first CubeSat, codenamed ZACUBE-1, was designed and built by postgraduate students at the Cape Peninsula University of Technology (CPUT) in conjunction with the South African National Space Agency (SANSA) as part of their CubeSat programme.

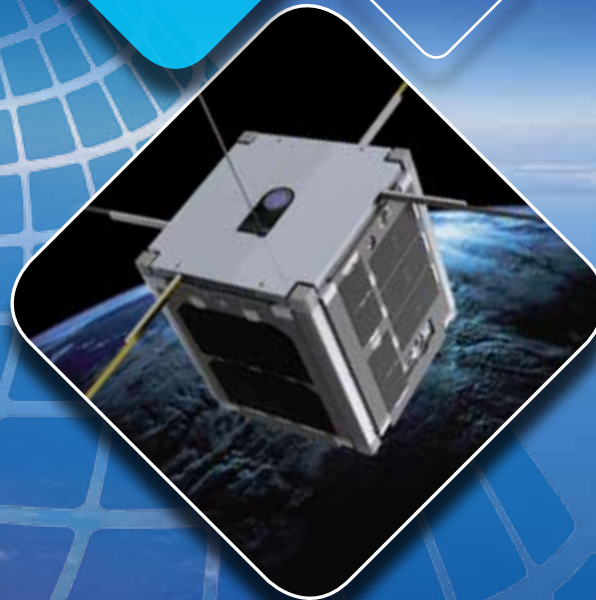
ZACUBE-1 will be placed in a polar orbit at an altitude of 600 km. Its main mission will be to provide a radio beacon from space which will enable SANSA scientists to gather data on space weather. Space weather refers to the ever changing conditions on the Sun and in space that can affect technological systems on Earth or in space, or which could imperil human life or health.

Competition

Entries are invited from Grade 9 to Grade 12 learners with a recommended name for the ZACUBE-1 CubeSat. The name should be accompanied by a short description of 200 words maximum explaining its significance. The name should have a South African context.

Prizes

- iPads
- Laptops
- Trip to SANSA facilities in South Africa



Naming a Cubesat Competition Rules & Information:

1. The competition is open to Grade 9 – Grade 12 learners from South African schools.
2. Entrants can submit only one entry, clearly handwritten or typed, by post (*Naming a CubeSat Competition, P.O. Box 1758, Pretoria, 0001*) or via the online submission on the SAASTA website; www.saasta.ac.za.
3. The judges' decision is final and incontestable and no correspondence will be entered into.
4. The organisers reserve the right to cancel any competition at any stage, if deemed necessary, and if circumstances arise out of their control.
5. The organisers do not accept any responsibility for late or lost entries due to postal services. Proof of sending is not proof of receipt.
6. The name and its description must be the original work of the entrant submitting it. By entering the competition, entrants warrant and undertake to the organisers that their work is original and does not contain any third party copyright material or quotes without appropriate permission having been obtained and identified to the organisers when the entry is submitted.
7. This competition is not open to employees of DST, NRF/SAASTA, CPUT, SANSA and persons directly or indirectly involved in the aforementioned organisations or the running of the competition or their direct families.
8. SAASTA reserves the right to withhold prizes in whole or in part if, in the opinion of the judges, the standard of entries so warrants.
9. All personal details and information accompanying each submission must be truthful, accurate and in no way misleading.
10. SAASTA reserves the right to withdraw prizes at their discretion in whole in the event of dishonesty, fraud or non-eligibility.
11. Entrants will be deemed to have accepted these rules and to agree to be bound by them when entering the competitions.
12. Entrants who do not comply with the requirements of the organisers will be disqualified.
13. Your entry must reach us by **30 October 2013**.