

Participatory Exploration for Inspiration and Education (12)  
Educating the Next Generation (2)

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## LIFT OFF-TERTIARY EDUCATION STUDENTS SPACE TEAM(SST)

**Abstract**

Tomorrow's explorers, engineers and business leaders are inspired by new ideas, space education in emerging countries has an important effect on the development of space technology in that country.

This paper introduces a means to provide a frame work in tertiary education systems in South Africa to raise interest, inspire and motivate students for science and technology through a Student Space Team (SST). In order to promote awareness and interest in African space technology student projects will be planned at different levels based on funding and the level of student knowledge

Student projects are cost-effective and encourage hands-on experience. SST aims to use student projects to encourage student interest in aerospace fields, inform students and the African community about developments and progress in the local and international space Industry In addition SST will host workshops, university competitions, and forums with guest lectures to encourage interaction and sharing of knowledge.

SST's first student project will be Cansat. Cansat's are interdisciplinary and include hands on experience, they are a small space system with a short life cycle and require simple basic technology and theoretical knowledge.

Effective ways to set up SST at tertiary level are evaluated and the Cansat project will be initiated at the University of the Witwatersrand, South Africa in 2012.