

# What?

outreach for science

# who?

1. primary schools
2. secondary schools
3. higher learning institutions
  - a. District Education Board Secretaries
4. the public and media
5. administrators-ministry of Education\
  - I. Higher education
  - II. General Education
    - a. Curriculum Development Centre
      - i. Subjects specialists (Mathematics, Science and Geography)
      - b. Provincial Education Officers

# How?

activities and strategies for each target group

## 1. primary school

-START by calling teachers for an outreach seminar focused on training them in outreach techniques

- a. Give talks (show outreach material – i.e. videos and pictures)
- b. Have the teachers be creative and develop ideas and materials which they will use for outreach on their own pupils – which they would implement with their pupils

-this would be followed up by outreach visits to a small set of primary schools

- a. very basic demonstrations of simple experiments
- b. arts and crafts/ physical demonstration (involving the pupils) to enact the motion of the planets in the solar system
- c. short videos (e.g MeerKAT Cartoons)
- d. have a science stand with prizes during sports day and careers day

-finally when this gains the desired publicity, a science event inviting multiple schools can be organised

## 2. Secondary School

-START by calling teachers for an outreach seminar focused on training them in outreach techniques

- a. Give talks (show outreach material – i.e. videos and pictures)
- b. Have the teachers be creative and develop ideas and materials which they will use for outreach on their own pupils – which they would implement with their pupils
- c. Give them a layout on how to begin astronomical and electrical clubs (among other things) as well as improve on the pre-existing ones

-this would be followed up by outreach visits to a small set of secondary schools

**a. star gazes(using Galileoscopes and Celestron telescopes) and lego demo's (assembled and programmed by the pupils)**

**b. 3D dome**

**c. Give talks with the aid of softwares such as Stellarium and Celestia**

**d. Career talk**

**e. Simple transceivers**

**- finally when this gains the desired publicity, a science event inviting multiple schools can be organised**

### **3. Higher Learning Institutions**

**- Hold outreach seminars at teacher training institutions focused on training them in outreach techniques (involve different faculty student associations)**

**- Target the first year students at higher learning institutions during orientation week (involving faculty student associations)**

### **4. Public and Media**

**- doing this by using the media to get through to the public**

## **Why?**

**5. To include the policy makers**