Classroom activity 4

Remember that when you read or view any text, you must first skim it to look for the most important points. Then you must look for supporting ideas, such as examples and illustrations. You must look at the questions on the passage. Then you must scan the text for particular information relating to the questions. The following advertisement is not trying to sell a product. It is trying to promote South Africa and congratulate the country for being awarded two-thirds of the Africa SKA bid. Look carefully at the picture and the words in the advertisement. When you have finished, you will answer questions about it, using your knowledge of advertisements to help you.

WITH SKA, SOUTH AFRICANS REACH FOR THE STARS

(SQUARE KILOMETRE ARRAY)

The SKA Organisation, 25 May 2012: *The majority of SKA dishes in Phase 1 will be built in South Africa and combined with the MeerKAT. Further SKA dishes will be added to the ASKAP array in Australia. All the dishes and the mid-frequency aperture arrays for Phase 2 of the SKA will be built in Southern Africa, while the low frequency aperture array antennae for Phases 1 and 2 will be built in Australia.*

MORE INFORMATION ABOUT THIS GROUNDBREAKING TECHNOLOGY

The Square Kilometre Array (SKA) is a developing radio telescope which will have a total collecting area of approximately one square kilometre. It will operate over a wide range of frequencies and its size will make it 50 times more sensitive than any other radio instrument. It will be able to survey the sky more than ten thousand times faster than ever before.

The receiving stations will extend to a distance of at least 3 000 kilometres (1 900 mi) from a concentrated central core. This will continue radio astronomy's tradition of providing the highest resolution images in all astronomy. The SKA will be built in the southern hemisphere, in South Africa, Australia and New Zealand, where the view of our own galaxy, the Milky Way, is best and where radio interference is least.

Discover the extraordinary capacity of SKA to uncover the mysteries of the universe.

The SKA project will:

- encourage scientific exploration
- inspire future scientists
- be part of South Africa's heritage for generations to come.

Learn more about this exciting project at www.ska.ac.za.

(**Adapted from**: http://en.wikipedia.org/wiki/square_Kilometre_Array and *The Star*, Friday June 1, 2012, p. 12)