

## **Principles of Science and Technology Teaching and Learning**

- Students construct their own understandings of science and technology from the world they experience.
- Students learn science and technology by doing science and technology, i.e. designing, making and investigating (scientifically).
- Everyone including teachers, children and parents is a learner of science and technology.
- Students learn best when their science and technology learning is related to issues and activities that are relevant to their lives and their place in the wider community.
- Quality science and technology teaching:
  - values ALL efforts, cultural backgrounds and ability levels of students
  - responds to students' existing knowledge and understanding
  - provides opportunities for students to be creative, inquisitive and reflective by engaging in authentic investigations and design and make activities
  - requires that teachers and others scaffold and model the ways of science and technology
  - uses the language of science and technology.