**Strands for Informal Science Learning**

From: Surrounded by Science (p.27)

**Strand 1- Sparking Interest and Excitement**

Experiencing excitement, interest and motivation to learn about phenomena in the natural and physical world

**Strand 2-Understanding Scientific Content and Knowledge**

Generating understanding, remembering, and using concepts, explanations arguments, models and facts related to science.

**Strand 3-Engaging in Scientific Reasoning**

Manipulating, testing, exploring, predicting, questioning, observing, and making sense of the natural and physical world.

**Strand 4-Reflecting on Science**

Reflecting on science as a way of knowing including the processes, concepts and institutions of science. It also involves reflection on the learner’s own process of understanding natural phenomena and the scientific explanations for them.

**Strand 5-Using the Tools and Language of Science**

Participation in scientific activities and learning practices with others, using scientific language and tools.

**Strand 6-Identifying with the Scientific Enterprise**

Coming to think of oneself as a science learner and developing an identity as someone who knows about, uses, and sometimes contributes to science. (p27)