

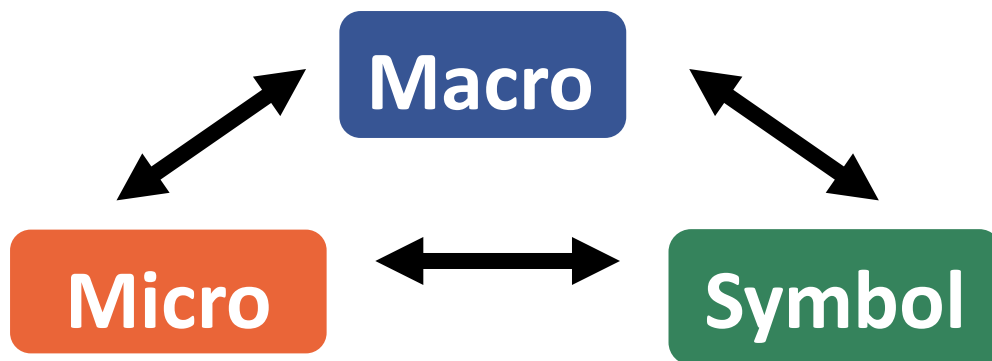


Dear Parent/Caregiver

Science learning involves everyday interaction of natural phenomena in the environment around us. This entails our observation of things we can see, hear, smell or feel with our senses. The study and research of science is broadly searching meaning from the various phenomena we observe.

In **Term 2**, the Strand of focus is **Matter and Materials**. We focus on **States of Matter** and the reactions of matter in different conditions such as heat, cold or pressure.

The **Johnstone Model** can be used to explain the existence of matter at different levels.



The three levels summarised in the Model are

- Macroview – refers to the tangible thing we can see or touch
- Microview - refers to the things we cannot feel or touch but can see their effects as they occur at a microscopic level
- Symbolic - refers to the Scientific denotations like representations of elements on a periodic table or chemical formulae e.g. H_2O for water.

Learners' conceptual mastery of science especially Chemistry can be enhanced by the use of the model at the different levels

Have a wonderful week.

Thank you

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