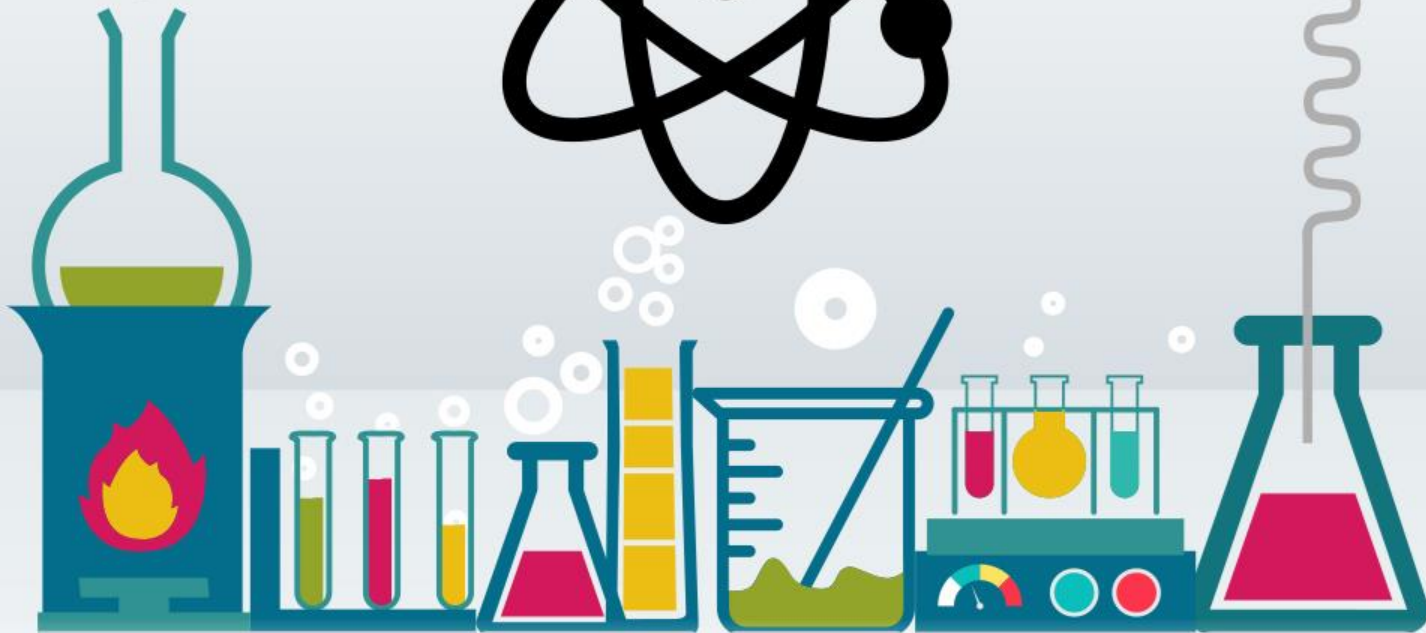
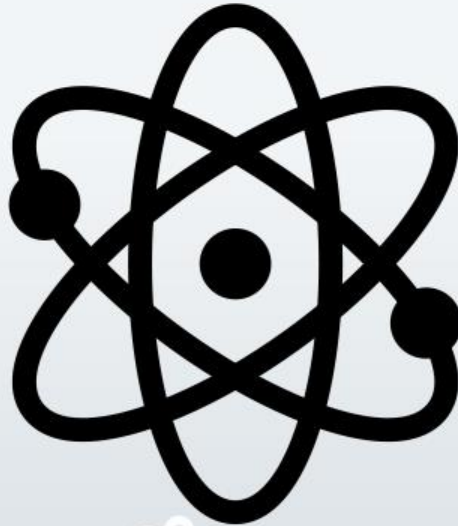


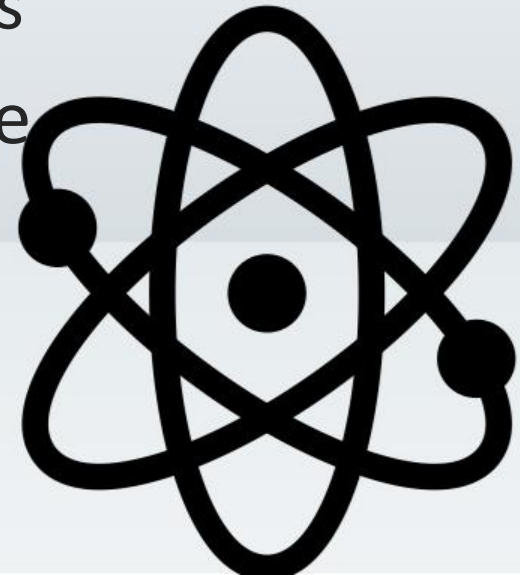
# Telok Kurau Primary School

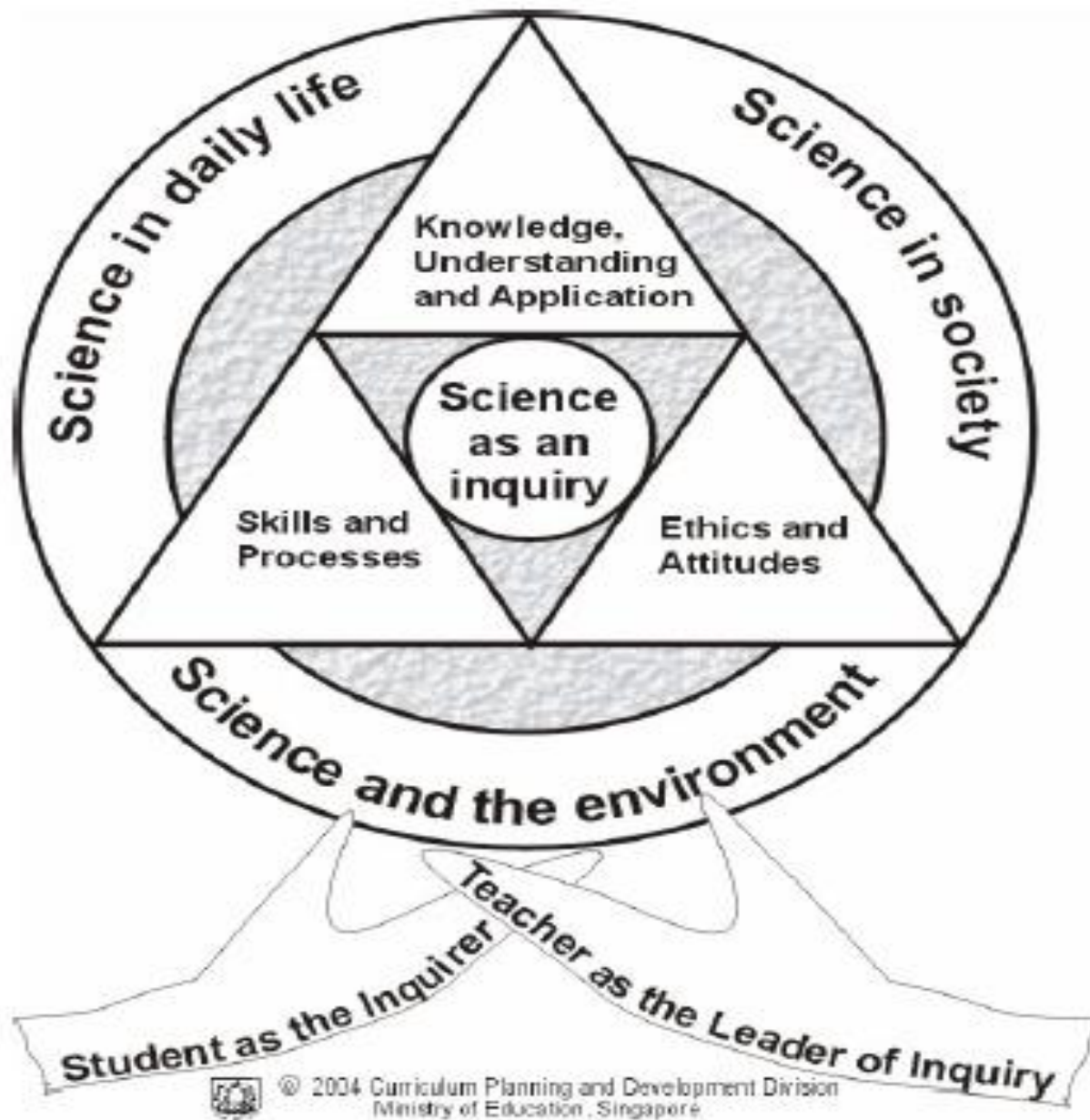
## PTM 2017 – P2 & P3



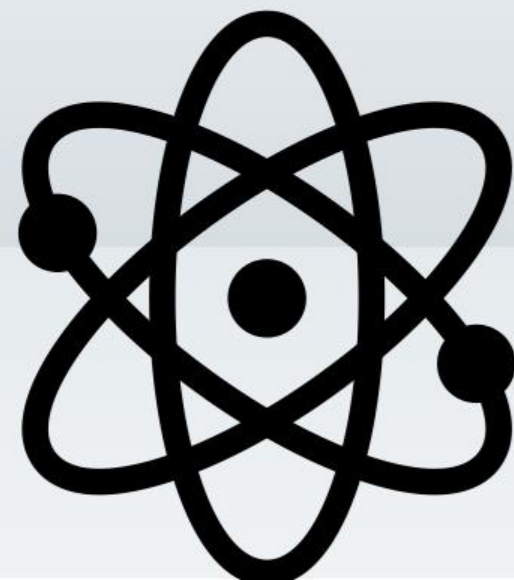
# Inquiry Based Learning

- Facilitates the learning process through questions
  - Interests
  - Abilities
  - Curiosities
  - Perspectives/experiences of the pupils
- Questions → Desire for answers to the questions → Exploration





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# 2014 Primary Science Syllabus

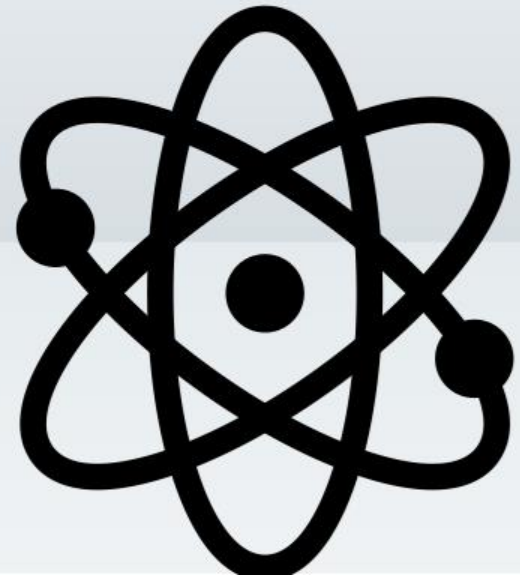
Themes	* Lower Block	** Upper Block
Diversity	<ul style="list-style-type: none"> <li>Diversity of living and non-living things (General characteristics and classification)</li> <li>Diversity of materials</li> </ul>	
Cycles	<ul style="list-style-type: none"> <li>Cycles in plants and animals (Life cycles)</li> <li>Cycles in matter and water (Matter)</li> </ul>	<ul style="list-style-type: none"> <li>Cycles in plants and animals (Reproduction)</li> <li>Cycles in matter and water (Water)</li> </ul>
Systems	<ul style="list-style-type: none"> <li>Plant System (Plant parts and functions)</li> <li>Human System (Digestive system)</li> </ul>	<ul style="list-style-type: none"> <li>Plant System (Respiratory and circulatory systems)</li> <li>Human System (Respiratory and circulatory systems)</li> <li><u>Cell System</u></li> <li>Electrical System</li> </ul>
Interaction	<ul style="list-style-type: none"> <li>Interaction of forces (Magnets)</li> </ul>	<ul style="list-style-type: none"> <li>Interaction of forces (Frictional force, gravitational force, <u>force in springs</u>)</li> <li>Interaction within the environment</li> </ul>
Energy	<ul style="list-style-type: none"> <li>Energy Forms and Uses (Light and Heat)</li> </ul>	<ul style="list-style-type: none"> <li>Energy Forms and Uses (Photosynthesis)</li> <li><u>Energy Conversion</u></li> </ul>

## Note:

- \*Lower Block (Primary 3 and 4); \*\* Upper Block (Primary 5 and 6).
- Topics which are underlined are not required for the Foundation Science .

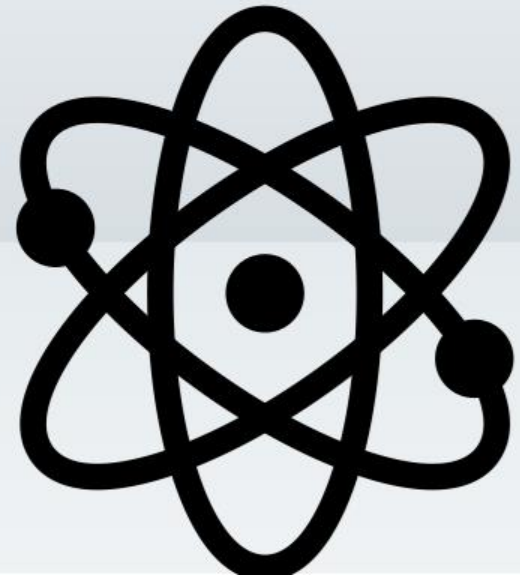
# P2 Modular Science

- Introduction
- Abstract thoughts and concepts
- Focus Science lessons around things that they can see, hear, touch, taste
- Discoveries → REAL



# TKPS Science Curriculum

- Daily work
  - Workbook
  - Process skills worksheets
- Topical test (Semester 1)
- Semestral assessments (SA1 & SA2)
- Science journal (e.g. concept maps, reflections, mini-experiments)
- Learning journey

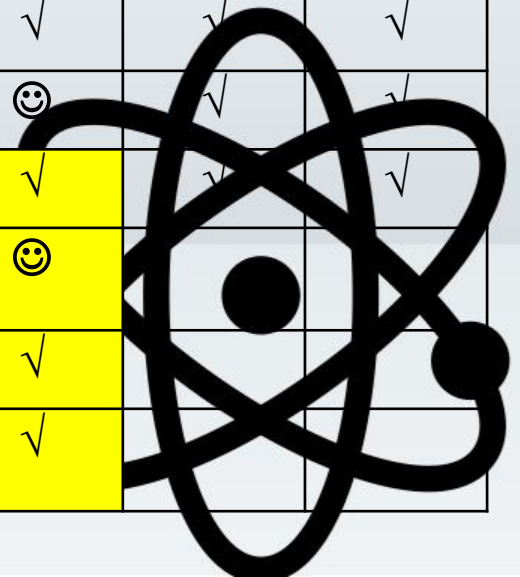


# Process Skills

Logical operations of thinking in investigations of Science

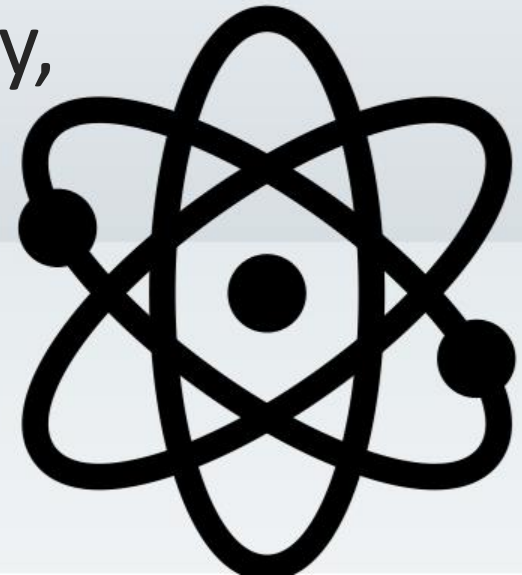
## Science Process Skills (Type of process skill)

Process Skill	P1	P2	P3	P4	P5	P6	P5 (FDN)	P6 (FDN)
Observing	√**	√^	☺	☺	☺	☺	☺	☺
Comparing	√*	√^	√	☺	☺	☺	☺	☺
Classifying	√*	√	√	☺	☺	☺	☺	☺
Using apparatus and equipment				√	☺	☺	☺	☺
Communicating				√	√	√	√	√
Inferring				√	√	√	√	√
Predicting					√	☺	√	√
Analysing					√	√	√	√
Generating possibilities					√	☺	√	√
Evaluating						√	√	√
Formulating hypothesis						√	√	√



# Practical - IBL

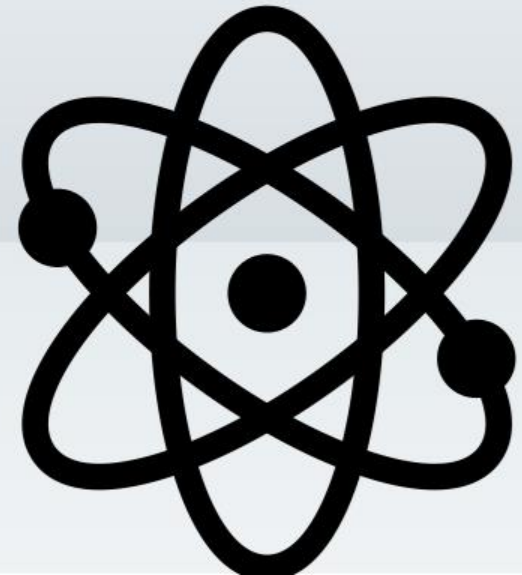
- Using apparatus and equipment
- Creative problem solving, decision-making and investigation
- Assesses pupils' knowledge (scientific concepts, application in context), process skills and attitudes (Responsibility, Resilience) simultaneously





# Highlights of Science Programmes

- **Building of Process Skills**
  - e.g. through experiments, Vitamindz or Process Skills Worksheets, Supplementary materials etc.
- **Talent Management Programme**
  - For high-ability pupils
- **Life Science Carnival**
- **Excite Science activities**
- **Learning Journey**





Ms Liana Binte Aziz  
liana\_aziz@moe.edu.sg

