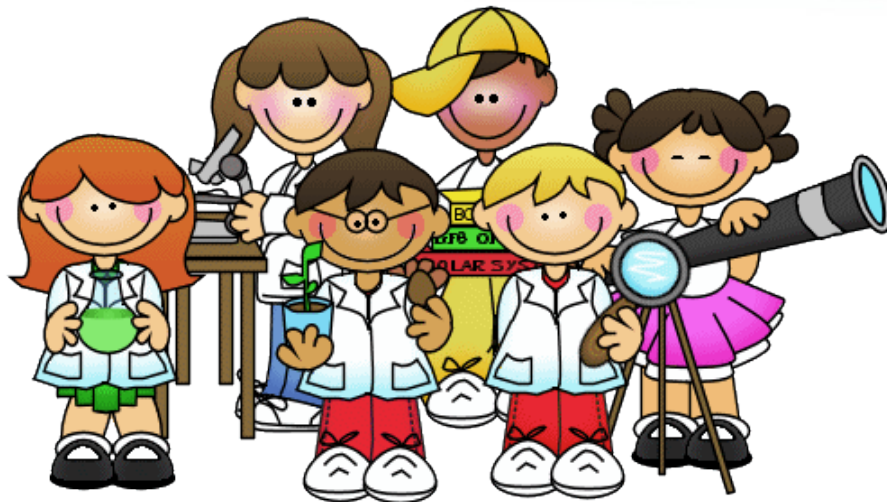


# Science



## Discovering Science Through Primary One and Two Science (POTS)



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# Primary One and Two Science (POTS)

- Intent:
  - Formalise a structure to facilitate pupils' learning in Science in Primary 1 and 2
  - Prepare pupils for the formal Science curriculum in Primary 3
- Timeframe:
  - P1: Commence in Term 3 (1 period per week)
  - P2: Term 1 to 4 (1 period per week)



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# Primary One and Two Science (POTS)

- Primary 1 Science Content:
  - Five senses
  - Different groups of animals (Mammal, Fish, Insect and Bird)
- Science Process Skills:
  - Observing
  - Classifying



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# Primary One and Two Science (POTS)

- Primary 2 Science Content:
  - Germination of seeds
  - Plant parts and their functions
  - Identification of some plants
  - Life cycle of some animals (bird, grasshopper and butterfly)
- Science Process Skills:
  - Observing
  - Classifying (leaves, animals, objects)
  - Measuring (volume)



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# How To Help Your Child To Learn Science

- Help your child to see that Science exists around us
  - Ask your child questions
- Encourage your child to ask questions and find the answers together
  - Be inquisitive together



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# How To Help Your Child To Learn Science

## Multiple Intelligences



Howard Gardner



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# How To Help Your Child To Learn Science

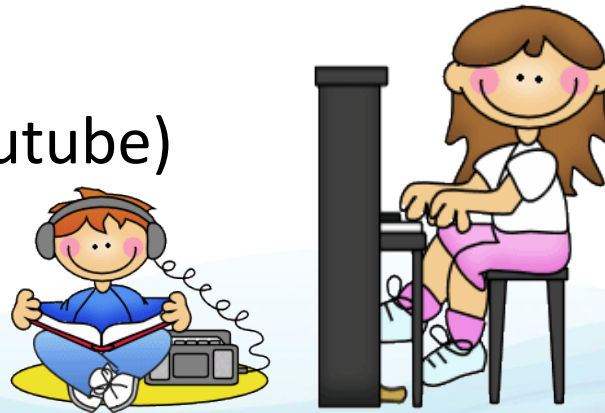
- Visual-Spatial

- Make models
- Read Science comics/magazines with diagrams, pictures
- Watch science videos/TV programmes (Discovery Channel, National Geographic Channel, Animal Planet etc)



- Musical

- Science Songs (Youtube)



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# How To Help Your Child To Learn Science

- Bodily-kinesthetic
  - Hands-on experiments
  - Exercise with your child (learn about body systems)
  - Use of tools to conduct investigations (Science kits and toys)
  - Build things with your child



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# How To Help Your Child To Learn Science

- Interpersonal
  - Work with neighbours, friends, family members
  - Cook with your child (change the ingredients, suggest changes that can be made and find out what happens to the dish)
- Intrapersonal
  - Jot down what they have learnt/observations
  - Reflect on their own learning



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# How To Help Your Child To Learn Science

- Linguistic
  - Read non-fiction books
  - Read Science magazines (National Geographic, Young Scientists etc)
  - Read resource books
  - Play Science word games
  - Create their own stories to remember concepts



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# How To Help Your Child To Learn Science

- Logical-Mathematical
  - Solve Science puzzles, mysteries
  - Ask questions and find their own answers through research, logic
- Naturalist
  - Visits to the Botanic Gardens, Zoological Gardens, Gardens By the Bay etc
  - Visits to neighbourhood parks
  - Grow plants at home
  - Keep pets at home



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# How To Help Your Child To Learn Science

- Science Process Skills
  - Observing
    - Everyday activities, using 5 senses
      - Broad observation
      - Detailed observation
  - Classifying/Comparing
    - Start a collection
    - Spot the difference
    - Different ways of grouping



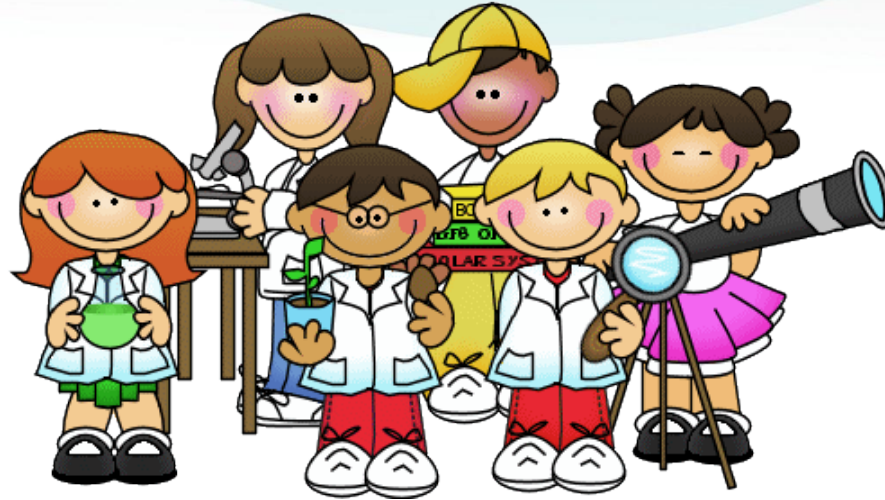
# How To Help Your Child To Learn Science

- Science Process Skills
  - Measuring
    - Use of weighing scale
    - Use of measuring cup
    - Use of ruler
    - Use of analogue clock/watch



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# Question and Answer



HOD/Science: Mrs Tan-Ong Ee Lee

LH/Science: Mrs Brenda Sin

Email: [lianhua\\_ps@moe.edu.sg](mailto:lianhua_ps@moe.edu.sg)



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*Tell me and I forget;  
Show me and I remember;  
Involve me and I understand.”  
By Confucius*



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