



TRANSPORTATION PROJECT



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1) DESCRIPTION

The project adopted a constructivist approach where children are seen as being actively engaged in their own learning. Thinking models were introduced to provide a frame for children to learn through a comprehensive process. This includes planning, organizing, constructing and reflecting. The thinking models were as follows:

- N2 – Plan, Think and Do
- K1 – (ABC) Adopt/Adapt, Blast-off and Combine
- K2 – SCAMPER



2) OBJECTIVES

- Foster 21st Century skills through thinking models.
- Deepen children's understanding of concepts.
- Encourage initiative and independent learning in children.



3) PROCESSES

The thinking models were introduced in stages after closely observing the children and to encourage more child-initiated ideas.

In 2019, SCAMPER was introduced to the K2 children. In 2020, the ABC model was introduced to the K1 children. In 2021, the Plan, Think and Do model for the N2 children.

These thinking models provided a strong frame to impact children's learning and equip them with skills such as critical thinking, being inventive, communication and collaborative abilities.



4) OUTCOMES AND IMPACT

The children were actively involved and engaged throughout the process. This helped sustain their interest and they persevered despite challenges to see their creations take flight.

The children also had the opportunity to create blue-prints and construct transport models. Being able to represent thoughts – two and three dimensionally – helped strengthen their spatial awareness and perspective taking skills.



Sustainability

Extending the project to Nursery-1

