

INQUIRY-BASED LEARNING IN EARLY STEM

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS

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AGENDA

WHAT? Inquiry-based STEM learning

WHY? Skills & Abilities for the future

HOW? Real-life STEM



STEM?



INQUIRY-BASED LEARNING

Children are confident and involved learners.

Each child is to be respected for their prior knowledge, competencies and experiences.

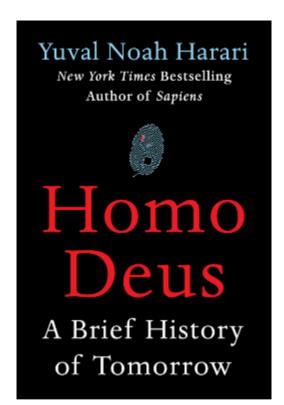
Children's interests drive successful inquiry-based learning.

Children participate in decision-making processes.

Concepts are temporal and are constantly refined based on new learning.







58% of current students under 25 are studying for jobs that will be radically changed by automation



Responsibility & Independence

Self confidence

Problem solving

Meta-cognitive skills



Critical thinking

Resilience

Research skills

Social & Communication skills





































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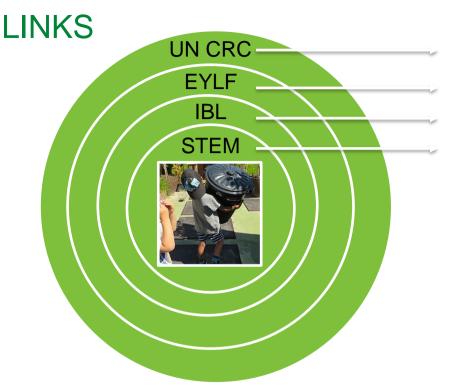
Resilience

Research skills

Social & Communication skills







Expression, inquiry & individuality
Outcomes, principles and practices
Children's ideas & decision-making
STEM is everywhere!





WORKSHOPS























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