

Enhancing Regional Competitiveness Through STEM Education:

Strengthening Curriculum and Instruction for STEM Education in Primary and Secondary Schools

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## CONCEPT

## **STRATEGY**

**CONCEPTUAL FRAMEWORK** 

Life-long learning which encompases integrated formal learning for Science, Technology,

Engineering and Mathematics based on curriculum, non-formal learning through co-

**STEM Education in Malaysia** 

**Enhance Up-grade** curriculum infrastructure

learning via indirect means at every age level starting from education at early childhood, primary, lower secondary, upper secondary, tertiary and industry/community.

academic or co-curricular activities and informal

**Up-skill** teachers

Real-world Hands-on

Multi resources **Promote** parents' support

STEM

T&L

## **GOAL**

The ultimate goal for STEM education is to produce STEM-literate students who are capable of thinking in a logical manner, using technology, solving problems, creating new ideas, and designing/inventing new products through an integrated learning encompassing STEM which applies real world context into teaching and

learning process and immerse students in hands-

on inquiry and open-ended exploration.

Increase

context

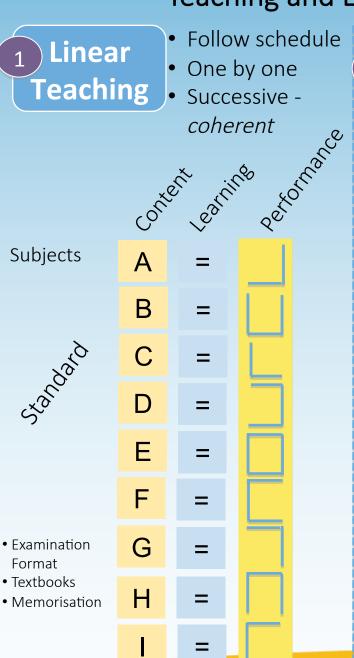
**OUTCOMES** Pupils solve problems, create new ideas and

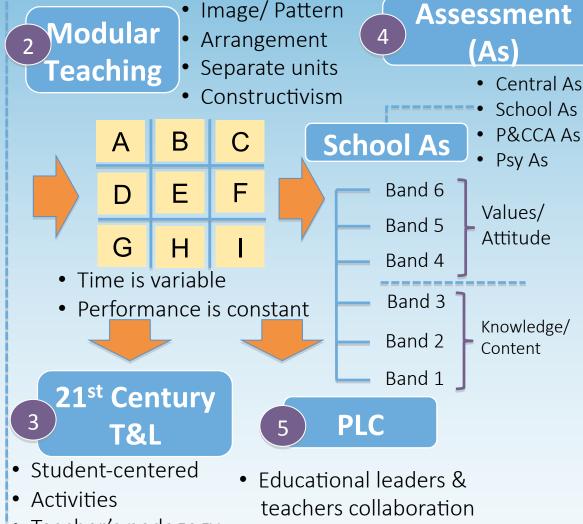
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# **OUTPUT**

pupils' interest & skills innovate

### Teaching and Learning Concept of KSSR and KSSM





- Teacher's pedagogy
- 4 Cs
- Resources
- Leadership

- Continuous cooperation
- Best teaching methods
- Enhancing performance



Parents' support

# THANK YOU