

WHAT DOES

GREAT STEM.



LOOK LIKE?

LEVEL 1

LEVEL 2

DESIGN & ENGINEERING

Pre-Designed
Design is provided for students

Assembly
Products are made with ready-made materials

Blind Assembly
Designs are made in the absence of research and data

Student-Designed
Students design their own work

Innovation
Students create using raw materials

Data-Driven Design
Designs are influenced by research and data

OUTCOMES

Product-Driven
Focus is placed on the product

Finality
Project is driven towards a completed project

Process-Driven
Focus is placed on the process

Cycle of Improvement
Project is ongoing in a cycle of continuous improvement

STANDARDS ALIGNMENT

Limited Scope
Standards are addressed from 2 or fewer STEM fields

Math or Science
*Math **or** science standards are addressed*

Broad Scope
Standards are addressed from 3 or more STEM fields

Math and Science
*Math **and** science standards are addressed*

MODELS OF COLLABORATION

Individual Projects
Each student produces their own product

Shared Product
Students work collaboratively to produce a shared product

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