

'What is this STEM approach everyone is talking about and how can I integrate it to best maximise student engagement?'









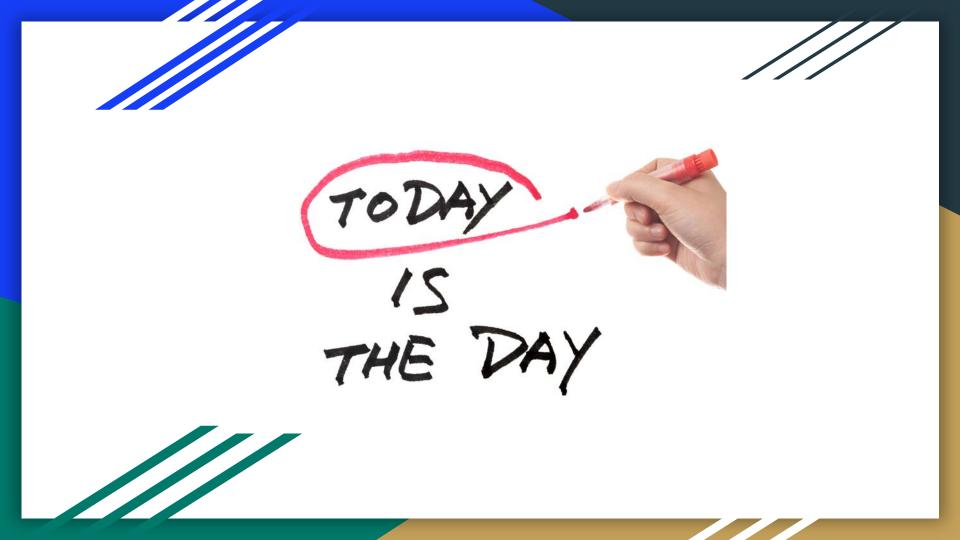
"In our world today, what is a student more likely going to need to be able to write: an essay or a blog post?"



"We rarely create something different until we experience something different."

#InnovatorsMindset





STEM vs STEAM



STEM

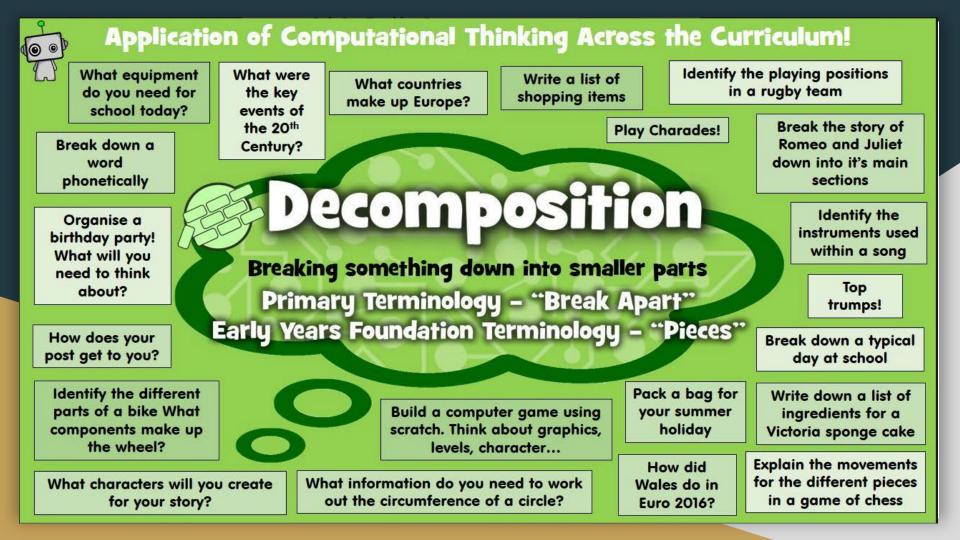
According to Ge, Ifenthaler, and Spector, (2016) STEM is defined as "academic and professional disciplines associated with science, technology, engineering and mathematics; typically conceived of separately, with sub-disciplines, although new pedagogical approaches encourage cross-disciplinary learning in areas" (p.5).

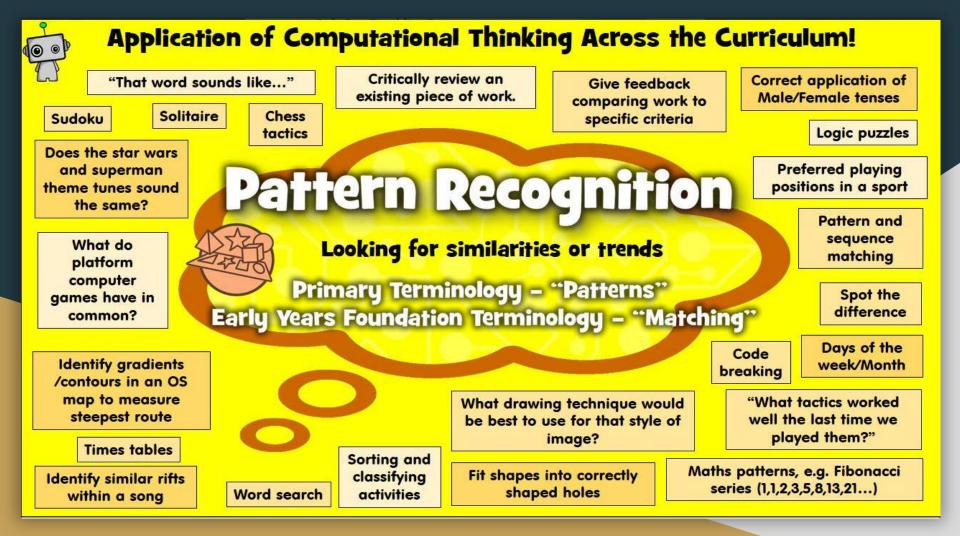
STEM is an interdisciplinary approach to teaching

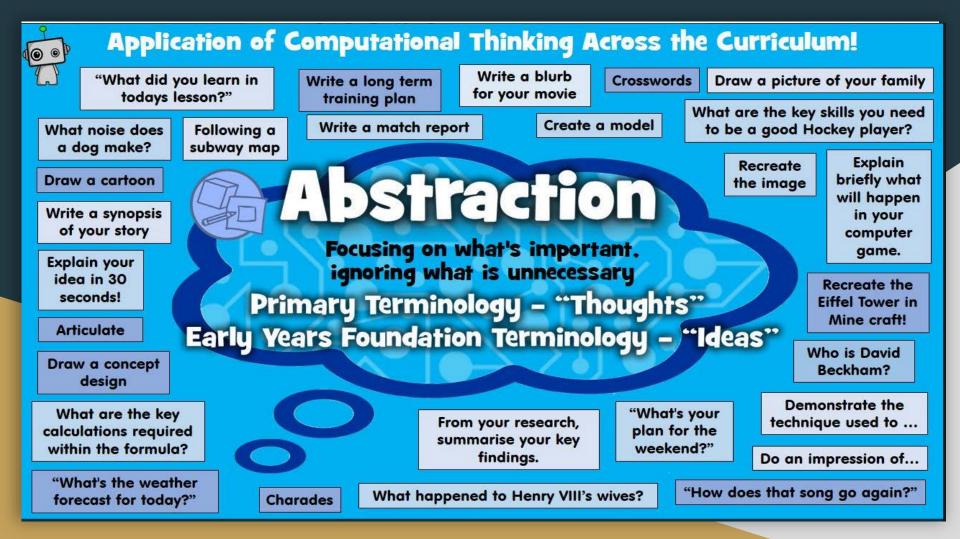
Interdisciplinary

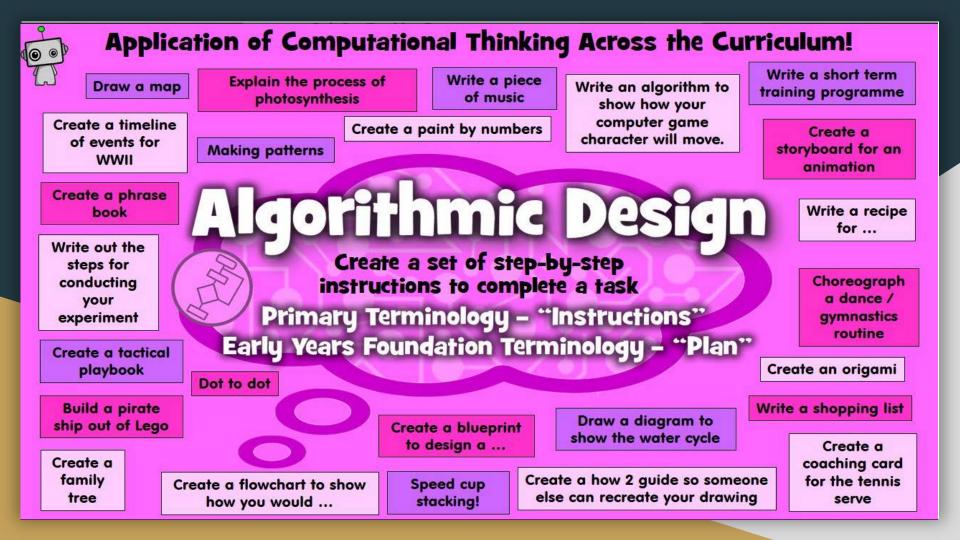
relating to more than one branch of knowledge.

Therefore, for STEM to be truly effective in the classroom you MUST integrate two or more areas in STEM into your lesson/unit





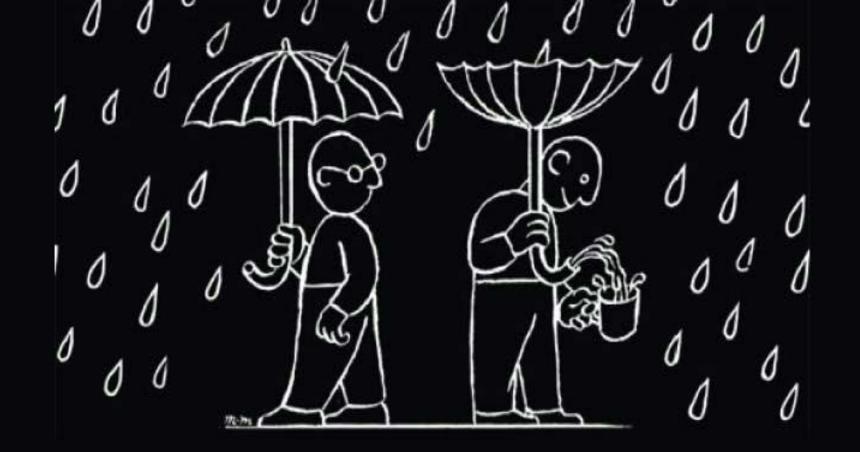






"Any time teachers think differently about who they teach and how they teach, they can create better learning opportunities. Questioning what we do and why we do it is essential for innovation."





INNOVATION IS A STATE OF MIND







It doesn't matter how many resources you have.



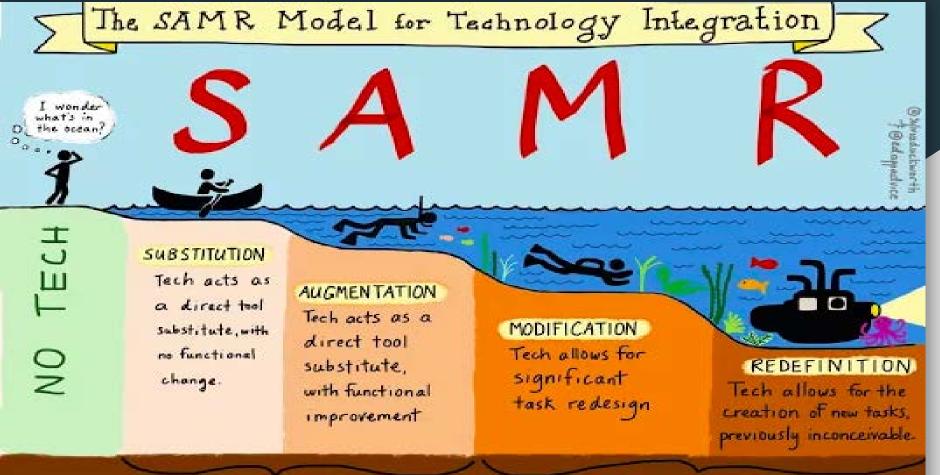
If you don't know how to use them, it will never be enough.



"Change is an opportunity to do something amazing"

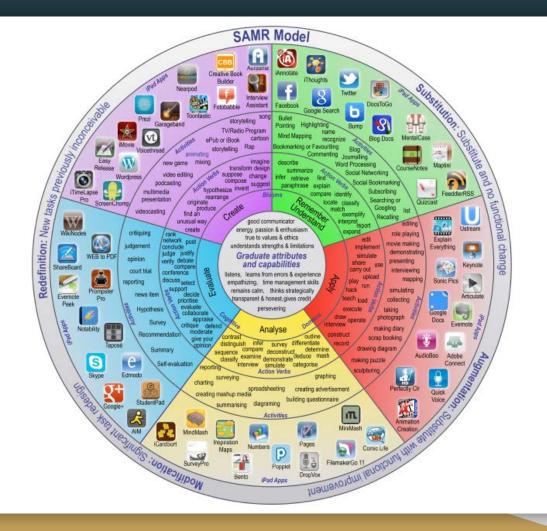
#InnovatorsMindset





ENHANCEMENT

TRANSFORMATION



Picture Book STEM



Future Focused Learning



What are the future focused learning principles?

Collaboration

Communication

Critical Thinking

Creativity