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# Making makerspace: from the ground up

National Education Summit: Capacity Building School Libraries

Friday 16 June 2023, 1:40-2:40pm



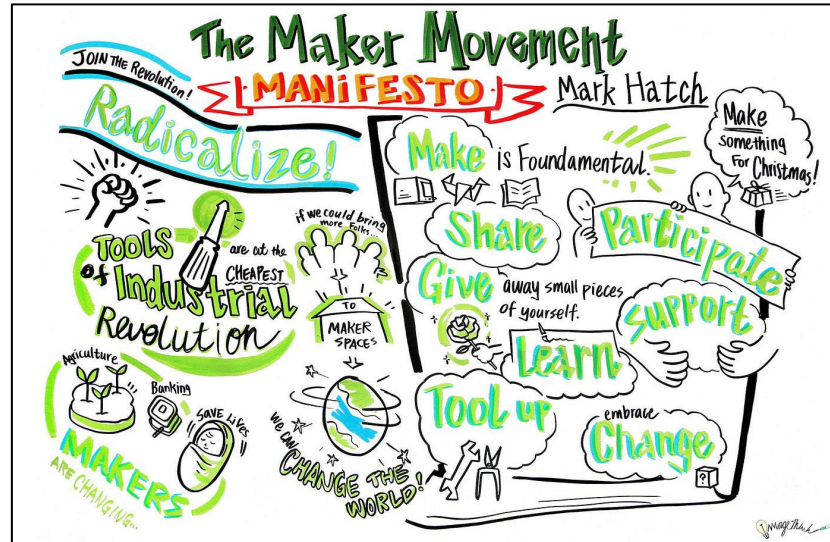
[www.siena.vic.edu.au](http://www.siena.vic.edu.au)



# About Me

Roxanne Summer,

Head of Albertus Magnus Learning Centre, Siena College





# Today's Session

- Establishing a maker culture: why bother?
- Redefine STEM/STEAM
- From the library-out
- Spaces
- Equipment and budget
- Programs and curriculum
- Golden rules



# Establishing a maker culture: why bother?

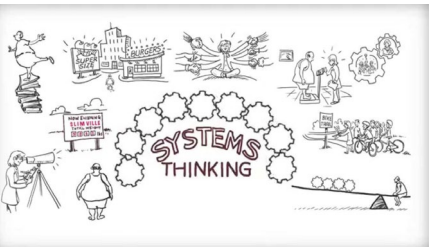
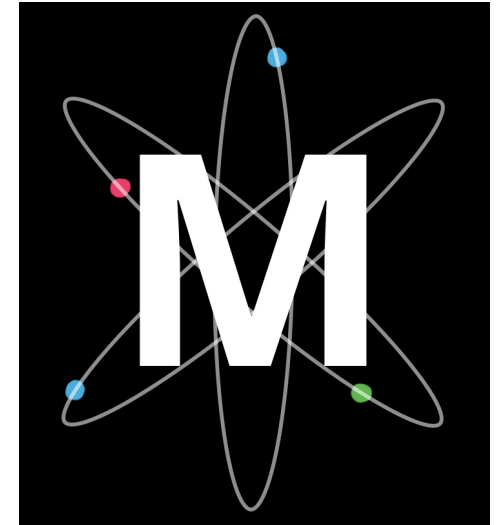
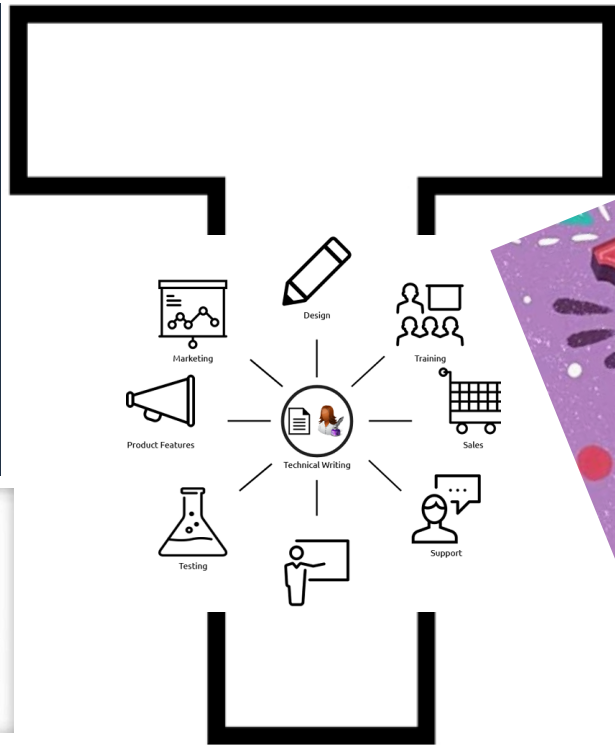
In a maker culture there is:

- Creativity and out-of-the-box thinking
- Risk-taking
- Disruptive thinking
- Knowledge-base -> connector to experts





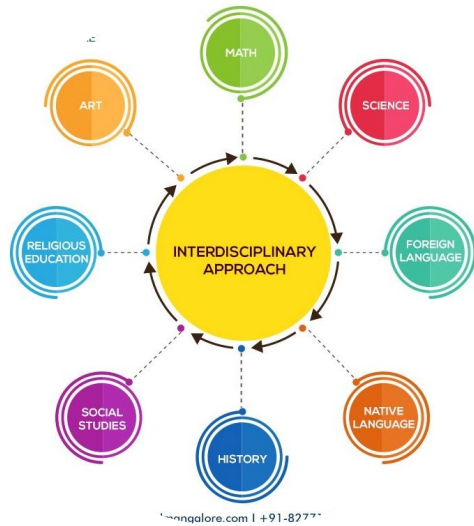
# Reframe STEM/STEAM



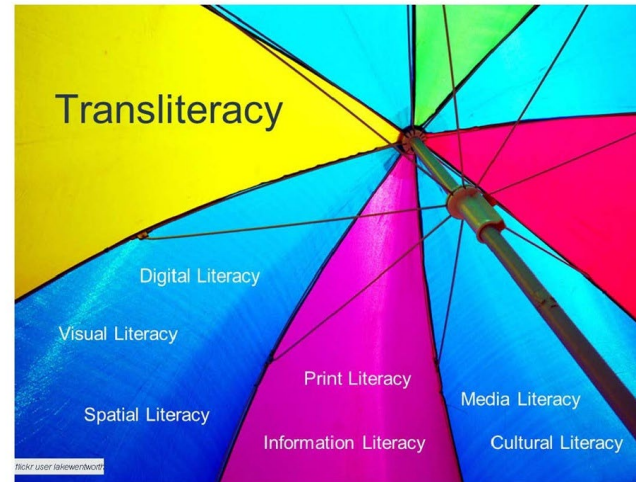
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# From the library-out



Interdisciplinary



Transliterate



Democratic



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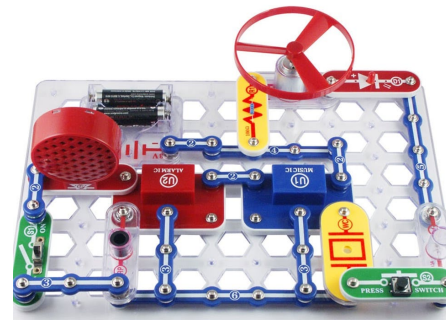
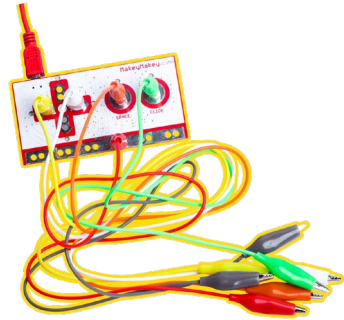
# Equipment & Budget

- Start with what you have
- Be resourceful and creative: re-use, re-purpose, re-cycle
- Deconstruction is an option
- Data is king!
- Collaborate with budget-holders



# Equipment & Budget

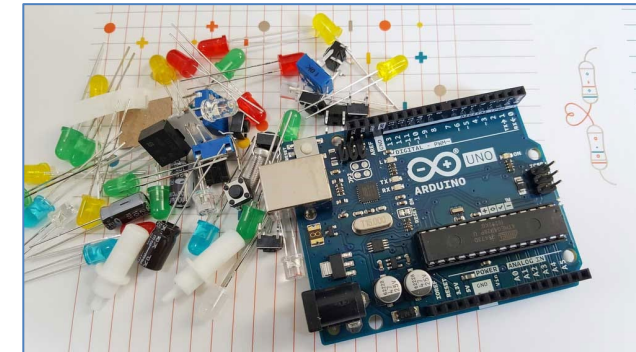
Low Budget/High Impact





# Equipment & Budget

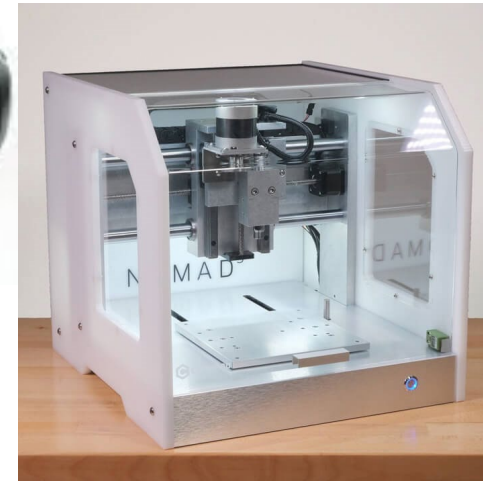
Medium Cost





# Equipment & Budget

High Budget with Big Bang

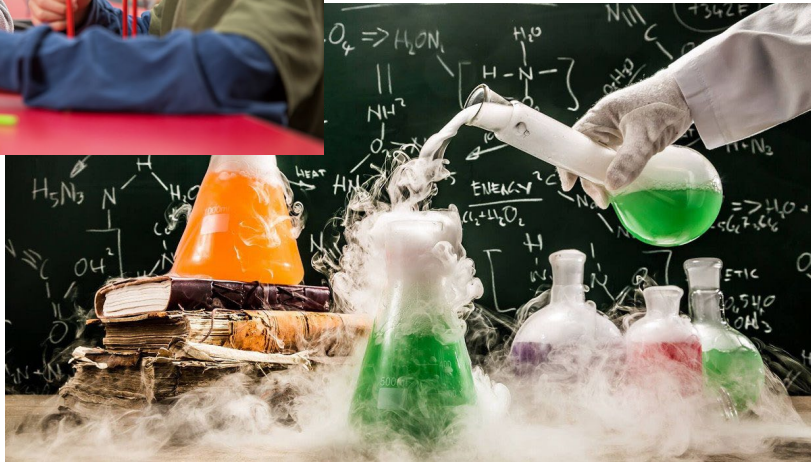




# Programs & Curriculum



Stage 1:  
Engage,  
excite,  
experiment,  
play

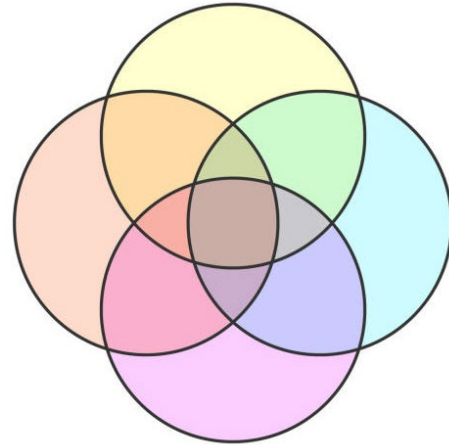
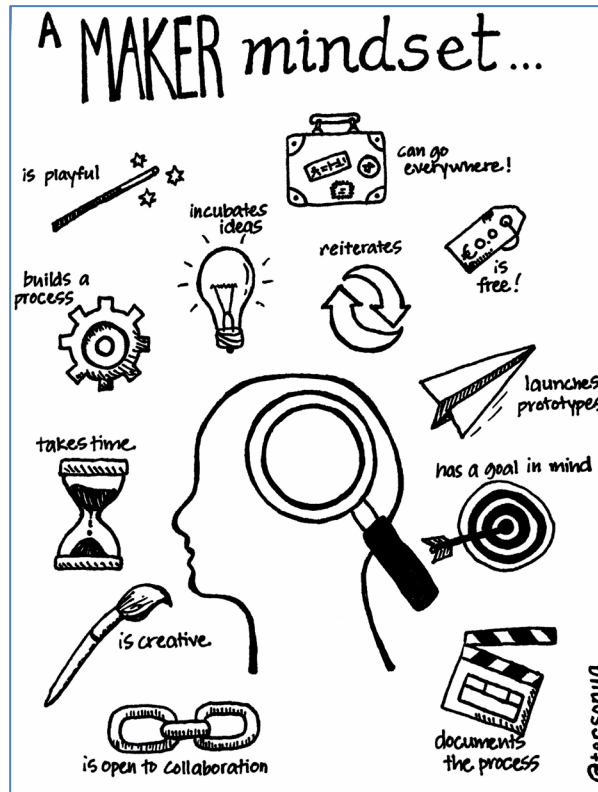


Stage 2: Infiltrate



# Programs & Curriculum

Stage 3: embed





# Golden Rules OR Things I Learned the Hard Way

- Limit equipment to different days or contexts
- Promote peer-learning
- Network, tap into existing resources, share
- Documentation over celebration of end goal
- Let things fail
- Organisation breeds organisation
- Be a maker yourself
- Be friends with the marketing/development team
- Support the school's strategic aims



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# Thank you







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