Transform the way K-8 students learn with 3D printing

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Complete 3D printing learning program for K-8 schools

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Dr Andrew A Taylor, Director of Technology, Byram Hills Central School. New York, USA.

"The lesson plans provide authentic learning experiences that help our teachers integrate 3D printing and encourages our students to print with a purpose. We appreciated that the Makers Empire trainers were dedicated educators, with former classroom teaching experience. They helped our teachers understand how to use the printers and program but most importantly how to thoughtfully integrate the application in the classroom."

Kate Tyrwhitt, Visual Arts & Student Services Teacher, St Michaels. SA, AUSTRALIA.

"I've been astounded at how much the students using (Makers Empire) have developed over the last 18 months. The kinds of design they're doing now are very sophisticated. I give them a design brief and the extent to which they take it always surprises me. Its not just the level of detail – it's their ability to create really complicated designs that require a lot of manipulation of the features. Using (Makers Empire) has really accelerated their learning."

Albert Wong, Computer Subject Panel Head, Lee Kau Yan Memorial School. HONG KONG.

"In the future 3D printing will be as simple as 2D printing right now, but its effect on industry will be much greater. Through designing 3D models and printing them out, students will understand the importance of maintaining a balance between practicability and creativity. Makers Empire is a great app for students to experience 3D design and printing, and will lead to a brighter future for the students."

Elaine Whelen, Head of School, ISA International School. Guangzhou, CHINA.

"Our students study key concepts and discover knowledge of the world around them through an enquiry-driven approach to learning. Design and 3D printing with Makers Empire will help support our students develop important skills such as design thinking, problem solving and critical analysis."

Stephen Corcoran, Director of Digital Learning, St Stephen's School. WA, AUSTRALIA.

"The Makers Empire 3D printing iPad app exceeded our expectations. The design and creative elements of this software have been carefully designed to engage children while opening up numerous educational opportunities and learning experiences. We loved the Teachers' (Dashboard) with its support, ideas and integration of the Australian Curriculum. A great way to expose our students to this rapidly emerging technology that will have a significant impact on all their lives and our own."

The 3D printing revolution has begun

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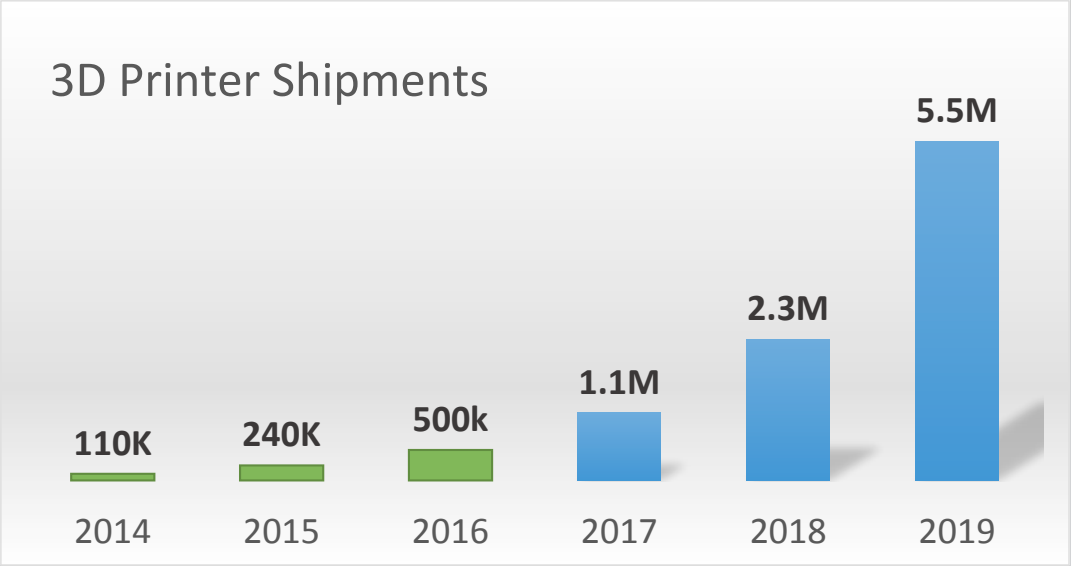

Gartner

"3D printing is at a tipping point, about to go mainstream in a big way."
Harvard Business Review

Benefits of 3D printing in education

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1. Real world experience of the design thinking process
2. Allows rapid prototyping
3. Promotes a growth mindset
4. Explore inaccessible objects
5. Makes abstract concepts tangible
6. Increases spatial awareness and thinking
7. Positions students as innovators and creators
8. Solve real world problems
9. Collaboration
10. Engaging and fun!

Develop 21st century learning and design thinking skills

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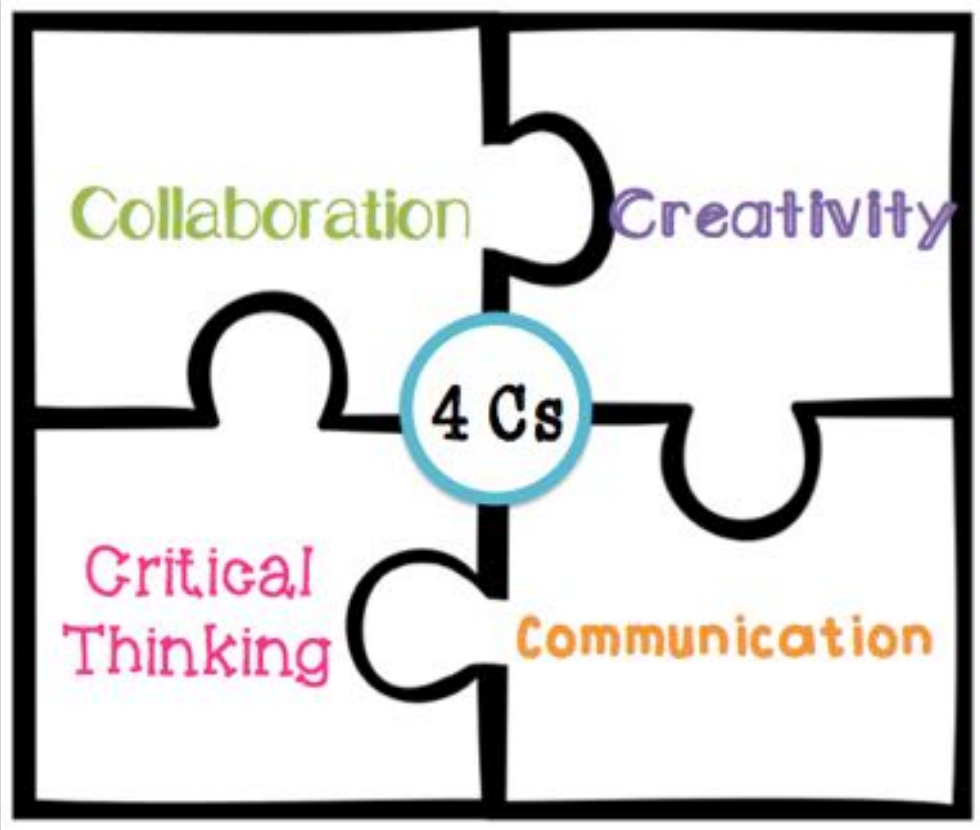

Support STEAM learning in the classroom

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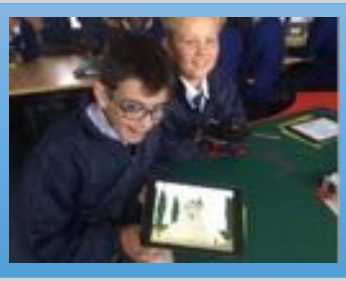
How Grade 6 students at St Stephens School are solving real-world problems with 3D printing

How Grade 5 students at The Scots College are solving problems arising from natural disaster with 3D printing

How students at Maplewood Intermediate School used 3D printing to study the International Space Station



Global Design Challenge

Connecting students around the world to solve a 3D design challenge

Horizon Report K-12

3D printing will dominate STEM learning in K-12 schools

NMC / Horizon Report K-12 Edition

"3D printing will soon be seen as an essential skill that all students must have before they graduate and are ready for work or further study"

Professor Stan Silverman / NYIT TBLS. 2015

Challenges of integrating 3D printing into teaching practice

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1. 3D software and hardware may be too technical for teachers
2. 3D software often too difficult for young students
3. Difficult to manage multiple student accounts
4. Unsure how to align it to the curriculum
5. Unclear how to meet and measure learning outcomes
6. Don’t know what is needed to get started
7. **Don’t have time to figure it out!**

Makers Empire 3D printing learning program

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1. **3D software** K-8 students can create designs in minutes
2. **Teachers' dashboard** Teachers can easily manage students' account, view and download student's designs for printing
3. **Lesson plans** Curriculum aligned, showing teachers how to integrate 3D printing into their teaching practice and achieve learning outcomes
4. **Data analytics** Monitor students' progress and engagement with weekly reports

Education Awards

newschoolsignite Science Learning Challenge

IMS GLOBAL Learning Consortium

Wharton SEI Center

QS STARS AWARDS 2015 REIMAGINE EDUCATION

Global EdTech Startups Awards

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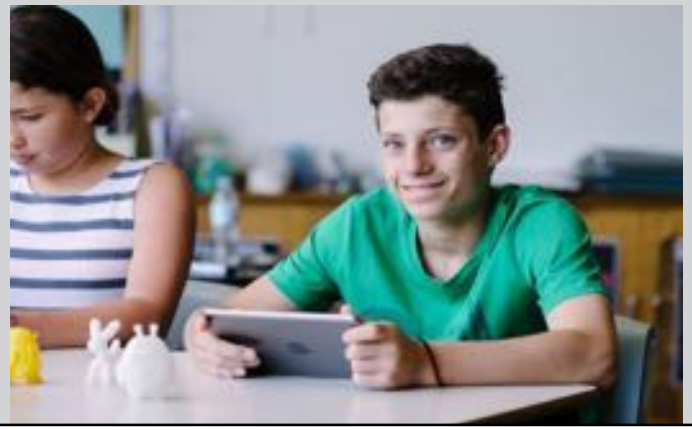


100,000 students | 2,000 teachers | Australia, America & Asia

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500,000 3D designs | 3,000 new 3D designs a day

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