



# MAKERS EMPIRE



For Teachers

# The Problem

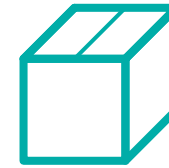
Many primary / elementary school teachers find it challenging to effectively implement the Design & Technology curriculum\*.



Teachers don't know how to effectively address the Design & Technology curriculum\*. They must have a fundamental understanding of **design thinking** and be able to **integrate contemporary technology**. For many primary / elementary school teachers, this approach is new, and just plain hard.



Teachers don't have time to become proficient with multiple new technology programs; then to **plan, teach** and **assess** against curriculum.



No single solution exists for teachers which is **age-appropriate for all** primary / elementary school students.

\* Design & Technology is included in K-6 (Primary) Curriculum in Australia, UK, UAE and NZ; It is beginning to be introduced in other countries such as China and Vietnam. Engineering Design is included in K-5 (Elementary) Next Generation Science Standards ('NGSS'); 20 US States have adopted NGSS and 21 US States have standards based on the framework.

# The Solution

A fun and easy to use 3D Design & Technology program to support primary / elementary school teachers in effectively implementing Design & Technology curriculum\*.



**Teachers can confidently** teach design thinking, integrate a contemporary technology and address curriculum demands.



**Teachers can easily** learn, plan, teach and assess against Design & Technology curriculum\*.

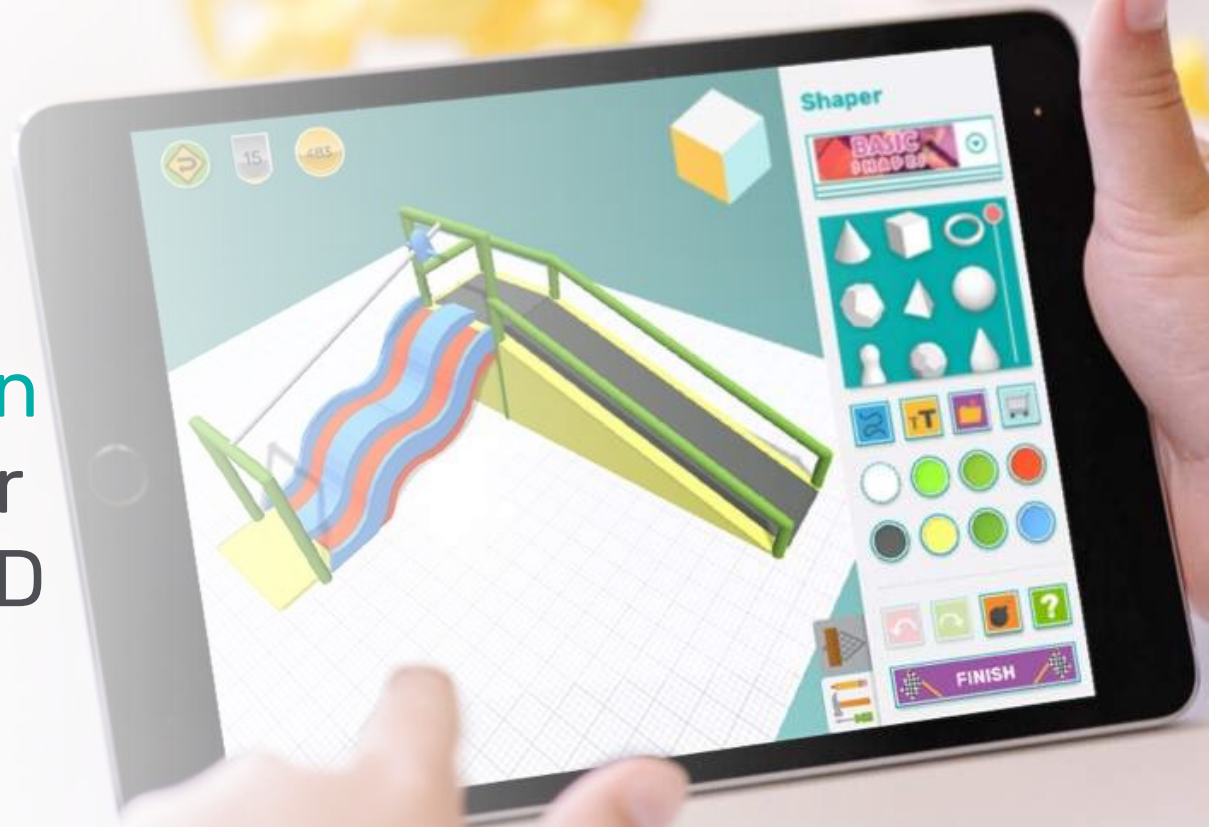


**Accessible and engaging** for all primary / elementary school students and teachers.

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# Our Mission

Develop children's **creative confidence** and **design thinking skills** with our fun and easy to use 3D design software.

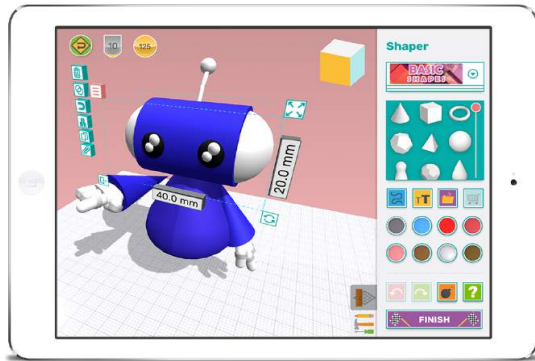


# Our Vision

Every child is empowered to become a **creator, innovator and problem solver**; so they can make their world better.

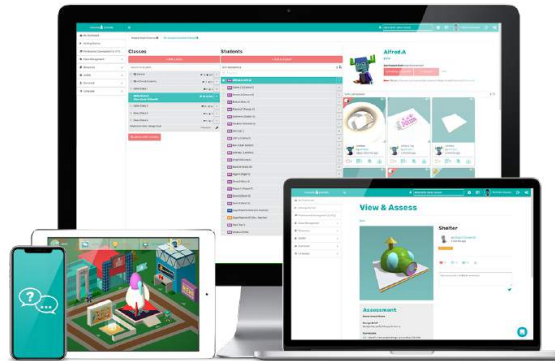


# Our Product: Makers Empire 3D Design & Technology program



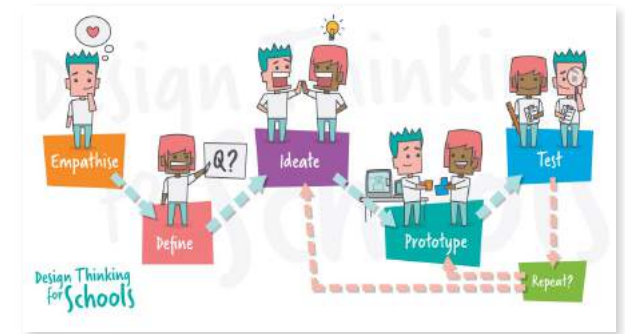
## Makers Empire 3D

World's most fun and easy to use 3D design software.



## Teacher Dashboard

Planning, class management, assessment and reporting tools.



## Learning by Design course

Custom professional development for school districts and education departments.

Researched  
Backed



Pedagogically  
Certified



Award  
Winner



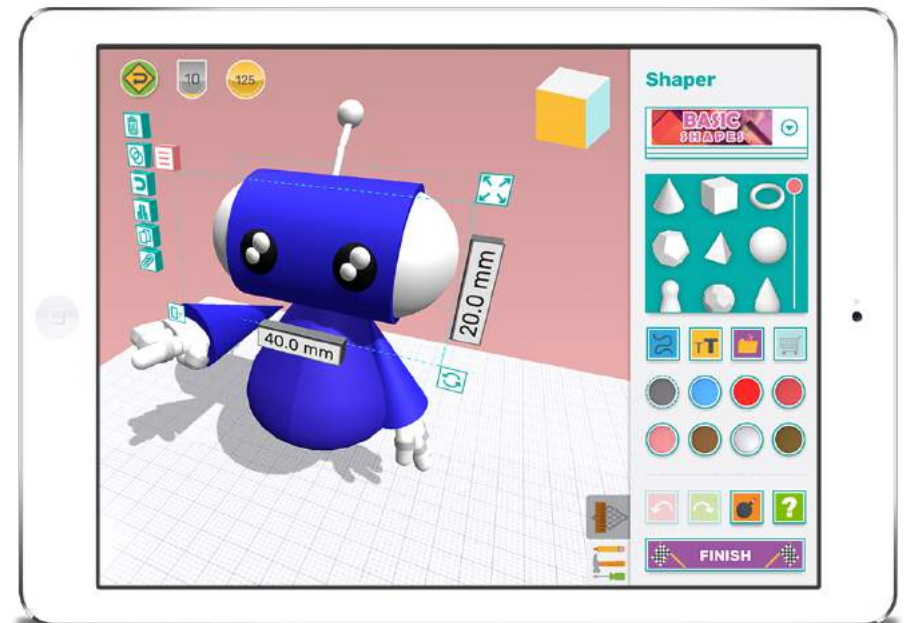


# Makers Empire 3D

Built specifically for 5 to 12-year-old children for an **immersive, fun and safe learning environment**.

Children of all skill levels are motivated to create, learn, collaborate and share.

Progress and rewards are linked to effort, mastery of new skills and participation in positive interactions.



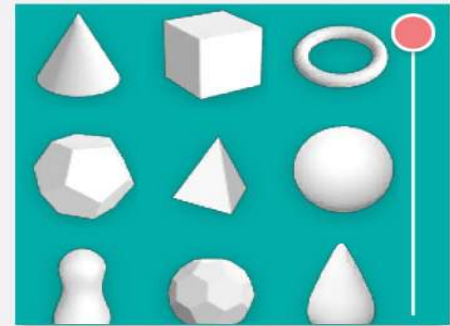


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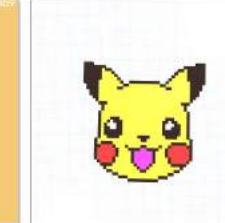






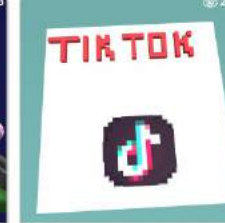

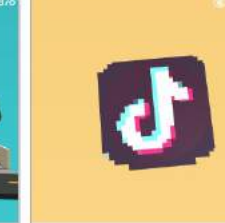




# Shaper





# www.makersempire.com/designs

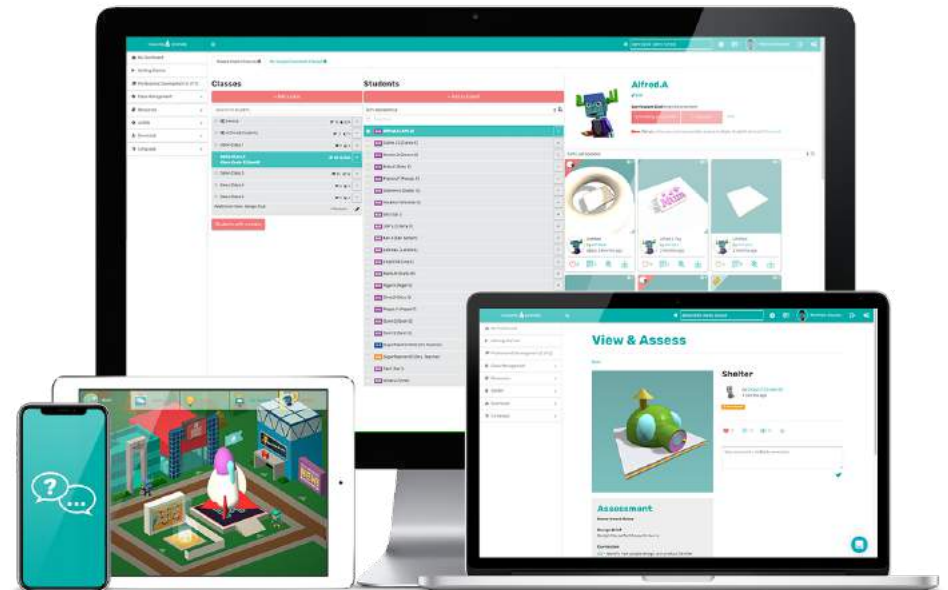
 <p>Tik tok girl by Choco Donut31 3 days ago</p> <p>2176 1261</p>	 <p>IPHON 11 by ZAXX77 5 months ago</p> <p>1982 518</p>	 <p>Starbucks by Julia 13 days ago</p> <p>1841 434</p>	 <p>Rainbowful dreams ang... by Fairy Aahana 7 days ago</p> <p>1295 417</p>	 <p>Umbreon by Kareina 7 days ago</p> <p>1221 415</p>	 <p>Eliaea and her pet cat by Eliaea 5 days ago</p> <p>1061 603</p>	 <p>The dancing skeleton B... by Helgy 6 months ago</p> <p>1075 284</p>	 <p>Candy Home by VikingPrincessJazmi... about 1 hour ago</p> <p>1290 271</p>	 <p>Tik Tok by D3COOLK 3 months ago</p> <p>1204 225</p>
 <p>Cheerleader by emilyLog3 about 4 hours ago</p> <p>915 251</p>	 <p>stay home.stay safe by M6A 1 day ago</p> <p>867 443</p>	 <p>Minecraft Steve by Helgy 6 months ago</p> <p>984 177</p>	 <p>Untitled by PaulaStrongBike 3 months ago</p> <p>864 193</p>	 <p>Adopt me Train by VikingPrincessJazmi... about 2 hours ago</p> <p>784 338</p>	 <p>wedding dress by Miussa about 1 month ago</p> <p>973 292</p>	 <p>Pokemon pikachu by Bastien 3 6 days ago</p> <p>903 164</p>	 <p>Princess Pearl by Princess CamiliasUn... 5 days ago</p> <p>778 319</p>	 <p>Blue Cute Room by VikingPrincessJazmi... 3 months ago</p> <p>685 193</p>
 <p>Untitled by roudha rashid512 6 months ago</p> <p>976 109</p>	 <p>Corona time by Mo12xed 24 days ago</p> <p>833 224</p>	 <p>Midnight warrior by unickitty emmy about 1 month ago</p> <p>735 254</p>	 <p>Korean Home by VikingPrincessJazmi... about 1 hour ago</p> <p>867 210</p>	 <p>Tik Tok by TashTcool 5 months ago</p> <p>859 161</p>	 <p>Modern Home by VikingPrincessJazmi... about 1 hour ago</p> <p>862 153</p>	 <p>tik tok by limar zada 5 months ago</p> <p>856 162</p>	 <p>Metal Sonic by neifirst 2 months ago</p> <p>821 140</p>	 <p>Tik tok and musically by Savannah the quenn about 2 months ago</p> <p>1013 206</p>

# Teacher Dashboard

We make it **easy** for primary / elementary school teachers with planning, class management and assessment tools.

We **support** teachers with curriculum-aligned challenge paths and teaching resources.

We **empower** teachers with accredited professional development.

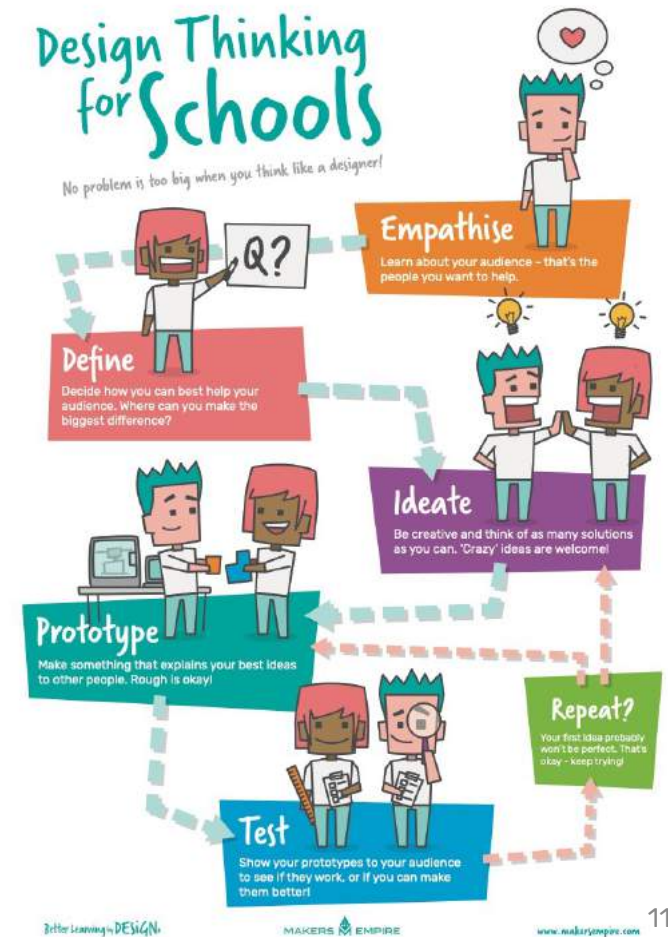


# Learning by Design Course

We provide custom professional development for school districts and education departments.

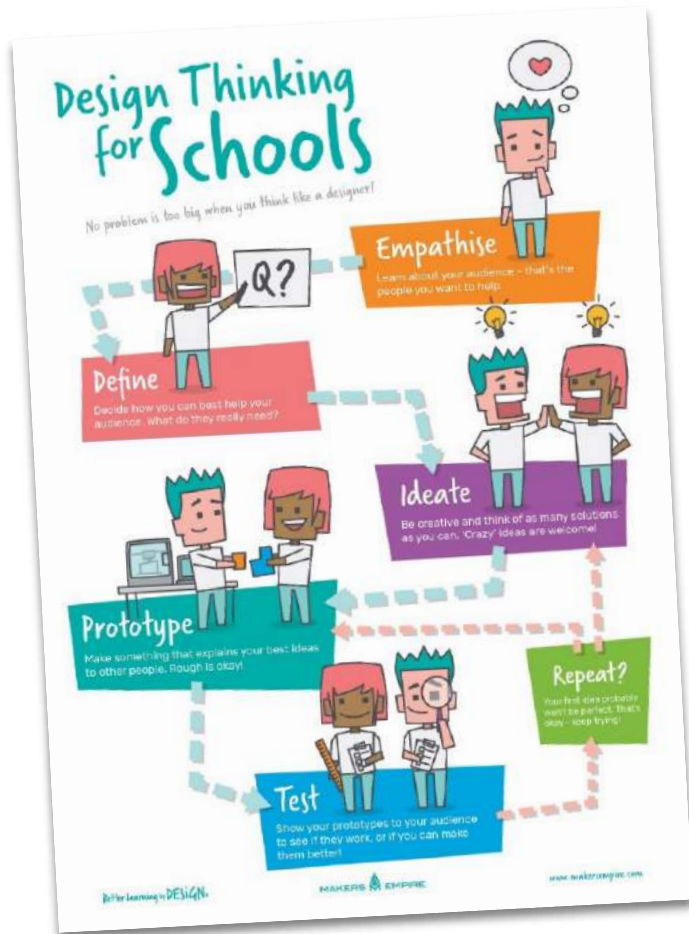
We build teacher capacity to teach Design & Technology using evidence-based maker pedagogies.

We further teacher understanding of design thinking in relation to how it helps address curriculum outcomes and students' development.





# What is Design thinking?



“Design thinking is a way of thinking and working that helps us to define and solve problems. It is a non-linear, iterative and human-centred process that helps us to **reframe problems as opportunities.**”

*Mandi Dimitriadis, Director of Learning, Makers Empire*

# Why teach Design thinking?

Design Thinking underpins learning in Design & Technology.

Curriculum policies are increasingly requiring primary / elementary school teachers to teach design thinking by integrating contemporary technology to address curriculum demands.

Design & Technology is included in K-6 (Primary) Curriculum in Australia, UK, UAE and NZ; It is beginning to be introduced in other countries such as China and Vietnam.



Engineering Design is included in K-5 (Elementary) Next Generation Science Standards ('NGSS'); 20 US States have adopted NGSS and 21 US States have standards based on the framework.



Teaching young students design thinking helps develop **21<sup>st</sup> Century learning skills** and enhance **creativity and innovation**.



# Why use 3D Design and 3D Printing to teach Design Thinking?

3D printing is one of the most important future manufacturing technologies.

Using 3D design and 3D printing for problem-solving activities allows students to bring their ideas and creation into life, providing a connection between **abstract and concrete learning**.

Like the transition from mainframe computers to personal computers in the 1980's, the take up will be driven by **easy-to-use** software.



A vintage advertisement for the Apple II computer. The top half features a photograph of the computer system, including the monitor, keyboard, and system unit. Below the photo is the headline "Why every kid should have an Apple after school." The text is arranged in columns, describing the benefits of the computer for education. On the right side, there are two small images of the computer system, one showing the monitor and keyboard, and another showing the system unit. The overall design is typical of 1970s-80s print advertising.

# Loved by

## Primary / Elementary Specialist teachers

Typically a STEM, technology or art teacher; or teacher librarian. Has regular sessions with most classes across the school.

## Primary / Elementary Classroom teachers

Teaches one class across one or two adjacent grade(s). May not use technology regularly and is more likely to use Makers Empire for units of work or as part of a project.

## Primary / Elementary Education Leaders

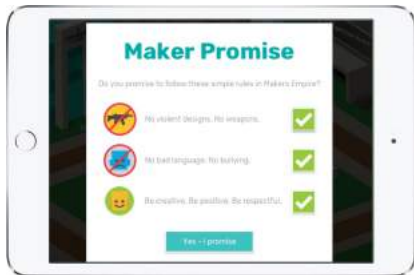
Decision makers for system-wide implementation in school districts or education departments.



# Why Choose Makers Empire?

- World's most fun and easy to use 3D Design & Technology program.
- An all-in-one program for planning, implementation and assessment. Free programs tend to focus only on implementation, thereby creating additional work for teachers.
- Has been designed specifically for K-8 students.

# Student Safety & Privacy



- At Makers Empire, we believe that children deserve to create in a safe environment where teachers and parents can control how information is shared.
- Makers Empire complies with [Children's Online Privacy Protection Act \(COPPA\)](#), the [CAN-SPAM Act](#) and [Makers Empire's Privacy Policy](#). Makers Empire also meets the [Safer Technologies for Schools Assessment](#).
- Makers Empire includes features and tools to help keep students and their data safe. We strive to take a leadership role with regards to safety and privacy and constantly iterate to maintain a safe community.



# 3D Printing Bureau Service

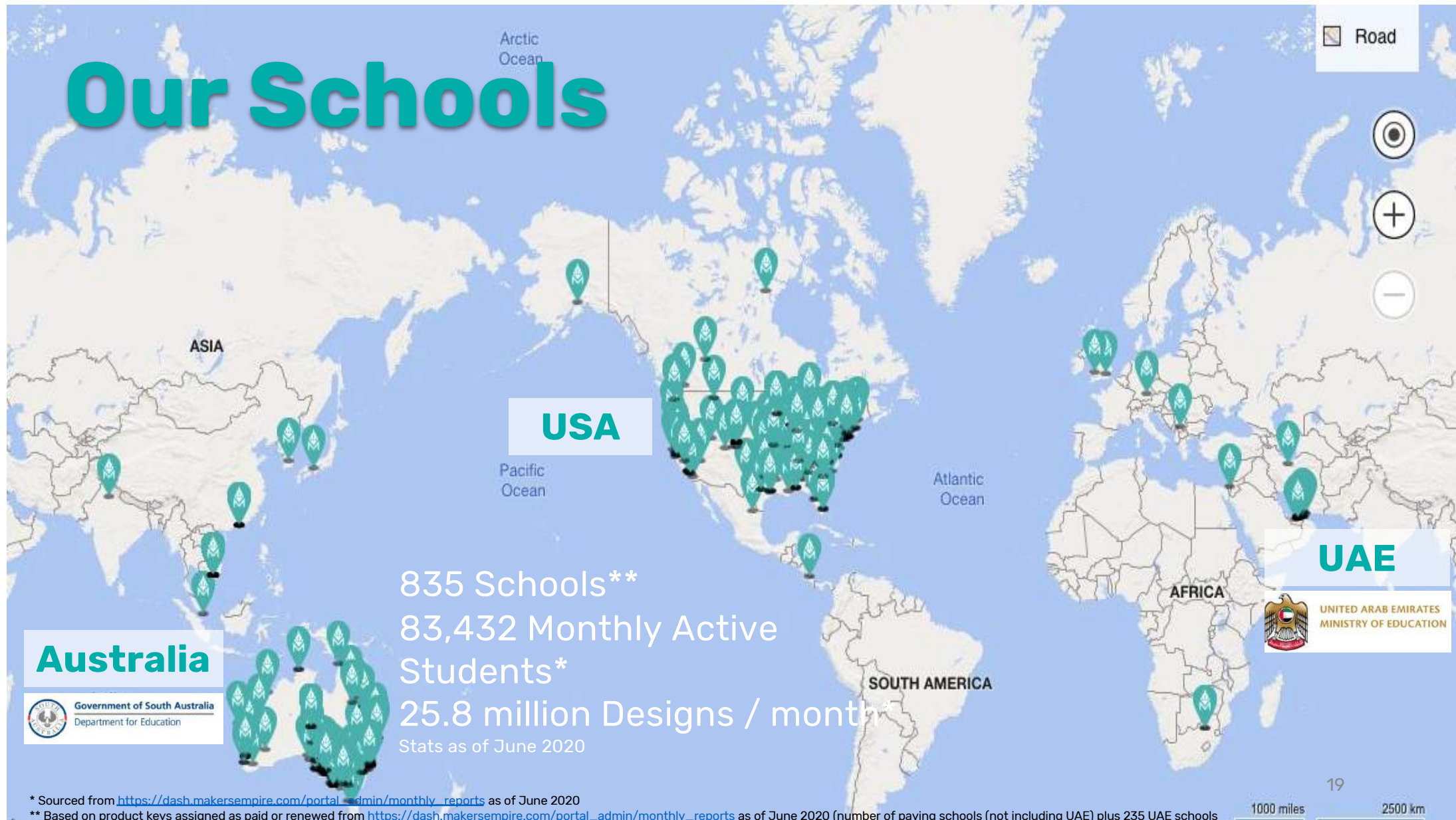
Makers Empire offers Australian customers the ease and convenience of a 3D printing bureau service for schools that wish to outsource part or all of their 3D printing.

“The printing service offered by Makers Empire is a real time saver. It is quick and easy to upload your files online for printing and delivered straight to the school. I would highly recommend this feature for teachers to use when 3D printing,” **Jodi Farmer, Teacher**





# Our Schools



## Australia



835 Schools\*\*  
83,432 Monthly Active Students\*  
25.8 million Designs / month\*\*  
Stats as of June 2020

## UAE



\* Sourced from [https://dash.makeempire.com/portal\\_admin/monthly\\_reports](https://dash.makeempire.com/portal_admin/monthly_reports) as of June 2020

\*\* Based on product keys assigned as paid or renewed from [https://dash.makeempire.com/portal\\_admin/monthly\\_reports](https://dash.makeempire.com/portal_admin/monthly_reports) as of June 2020 (number of paying schools (not including UAE) plus 235 UAE schools)



Better Learning by Design

[info@makersempire.com](mailto:info@makersempire.com) | [www.makersempire.com](http://www.makersempire.com)