

philipp@mathigon.org
@MathigonOrg



Mathigon

Textbook of the Future



Philipp Legner



- **Google, Bloomberg**
Software Engineer
- **Cambridge University**
BA in Mathematics
- **UCL Institute of Education**
MA in Maths Education
- **Wolfram Research, Goldman Sachs**
Work Experience

Our Principles



Active Learning

Allow students to explore, discover and be creative – not just memorise results.



Personalisation

Adapt the content, to every student's ability, just like a virtual personal tutor



Storytelling

Use engaging stories and real applications to make abstract concepts come alive.

What Users Think

95%

think Mathigon is
more fun than
classroom
lessons.



*Textbook is the wrong word, because this is something **totally new**.*

ilearntechnology.co



*The content of Mathigon is **superb**.*

Educational App Store Review



*This is what your **iPads were made for!***

Drew Foster, Maths Specialist at Maths Whizz



Pretty incredible.

Joshua Perry, Director of Assembly



*It's **mind-blowing stuff**,
presented with style and clarity.*

Dr Simon Singh, bestselling author



*I am **such a big fan** of Mathigon. The
sequences experience looks incredible.*

James Tanton, Mathematical Association of America



Polygons and Polyhedra

- ☒ Polygons
- ☐ Quadrilaterals
- ☐ Tessellations
- ☐ Polyhedra
- ☐ Platonic Solids
- ☐ More on Polyhedra
- ☐ Nets and Cross Sections

Polygons

A polygon is a closed, flat shape that has only straight sides. Polygons can have any number of sides and angles, but the sides cannot be curved. Which of the shapes below are polygons?

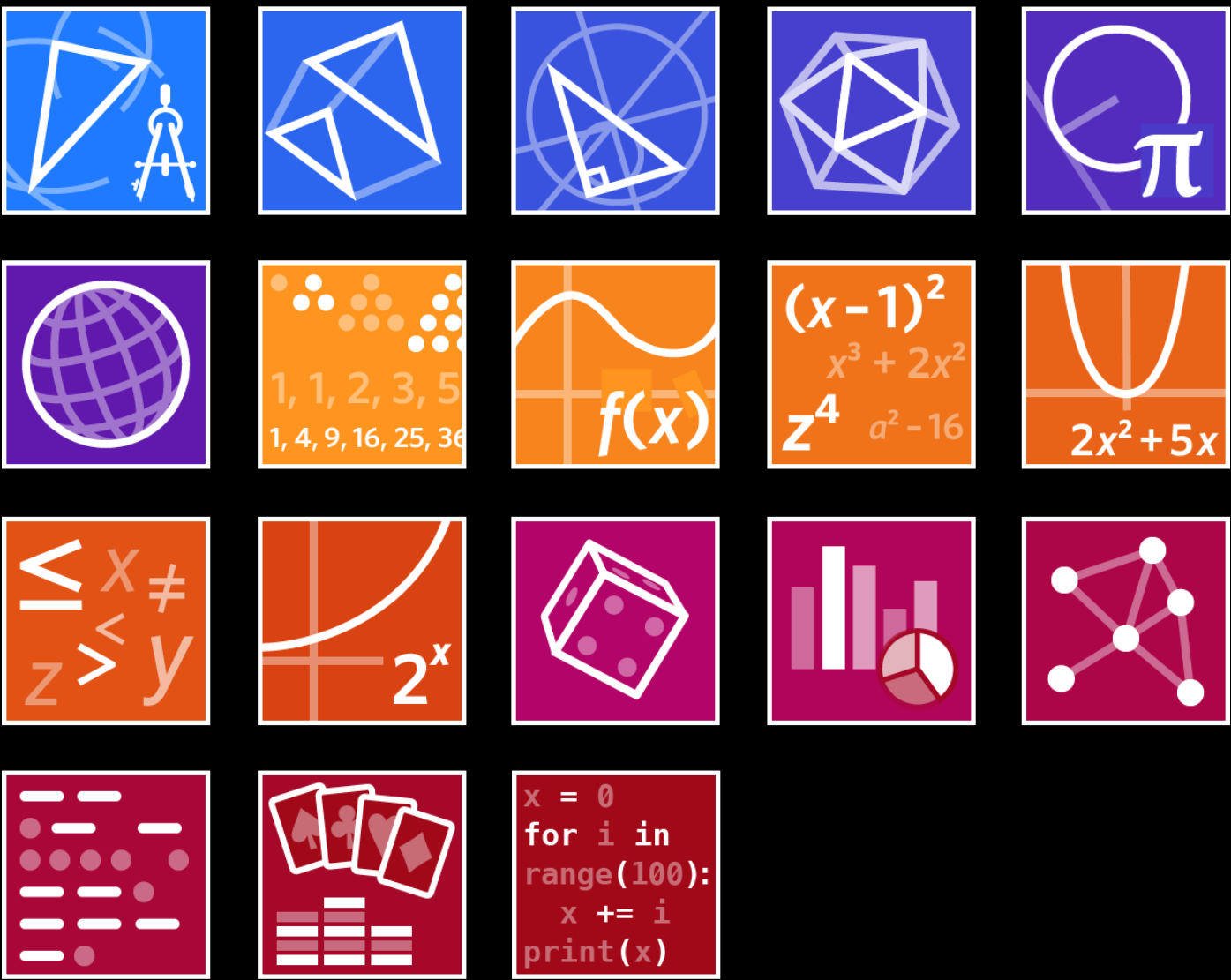


Curriculum

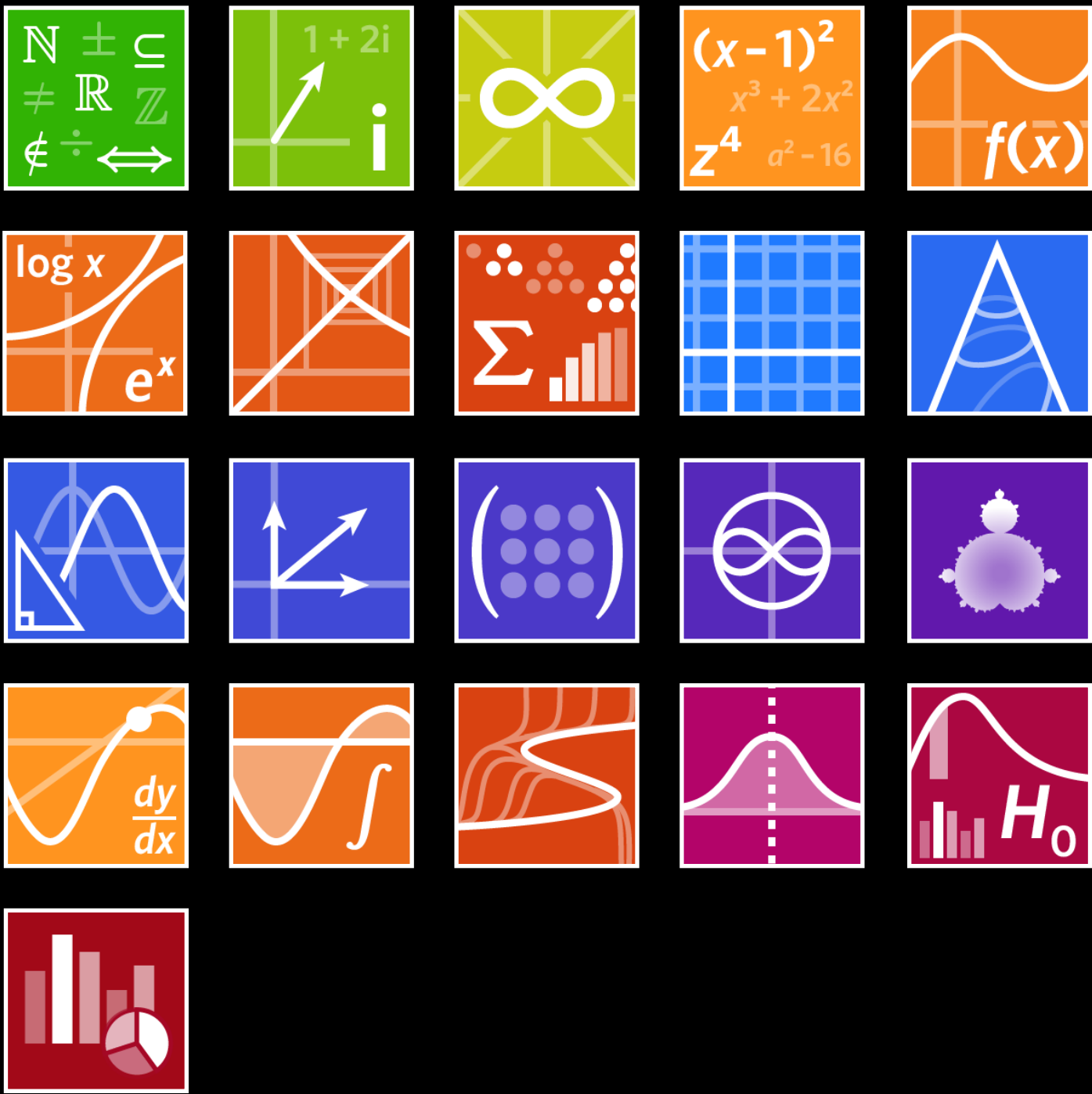
KS3 (year 7-9)



KS4 (year 10-11)



KS5 (year 12-13)



Aligned to US (common core) and UK curriculum.

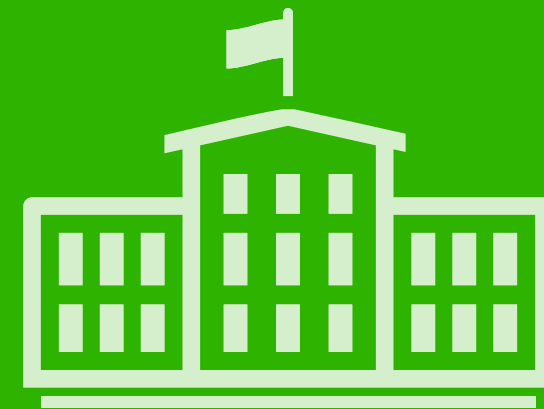
Business Model



Student Subscriptions

- More personalisation
- Advanced courses

£5
/month



Teachers Subscriptions

- Analytics dashboard
- Lesson plans

£15
/month



Content Licensing

- Original content
- Creation platform
- Publishers and EdTech platforms

Current Progress

53,000

unique visitors in 2018

12,000

hours of learning
delivered in 2018

20%

of secondary mathematics
curriculum completed



AWARDS 2019
FINALIST



AWARDS 2018
FINALIST



2015 HONOUREE
2017 NOMINEE



REIMAGINE
EDUCATION

SHORTLISTED



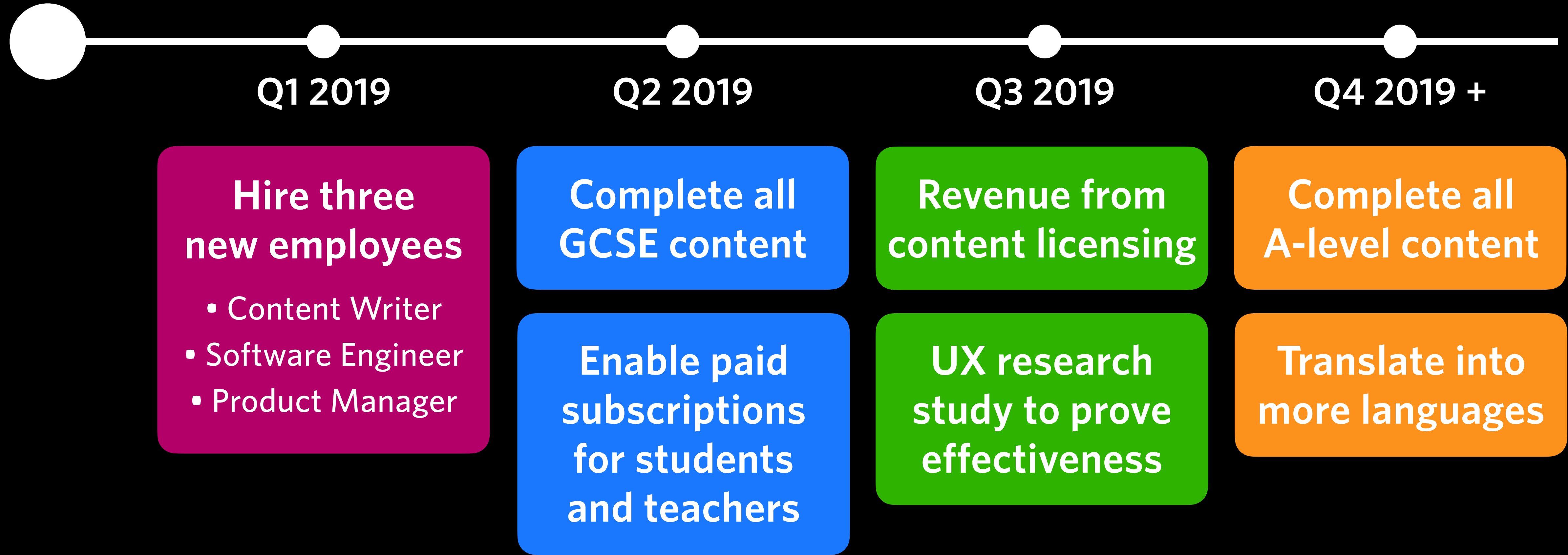
THE  **LOVIE AWARDS**
GOLD WINNER



THE EDTECH PODCAST
FESTIVAL
2018

What's Next

Now



Investment Ask

£400k

at a £4 million valuation

Investment Ask

£400k

at a £4 million valuation

\$1.1B

STEM instructional
materials market
size (2015)

12M

Active monthly
KhanAcademy
users (2017)

\$244M

Total funding
raised by
BYJU's



Mathigon