TYNKER

COMPREHENSIVE K-12 CODING CURRICULUM
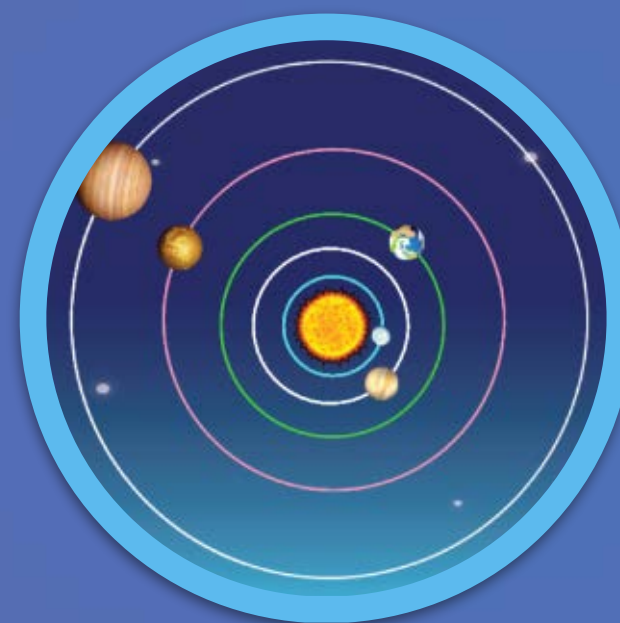
What is Tynker?

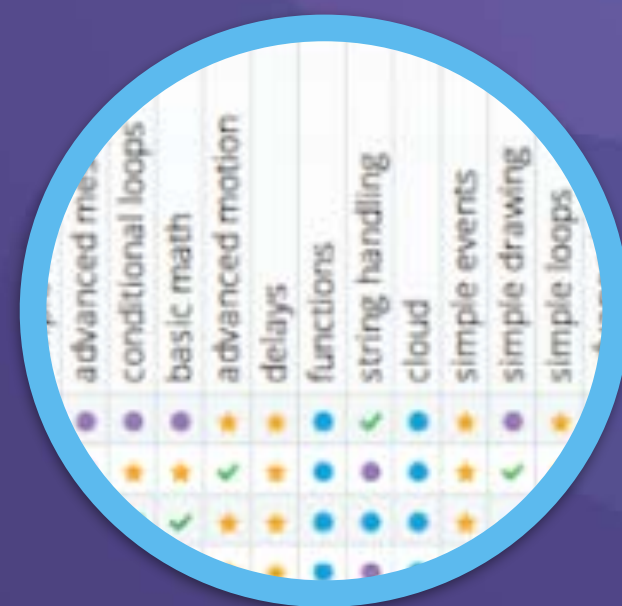## THE EASIEST WAY TO TEACH COMPUTER SCIENCE IN SCHOOLS
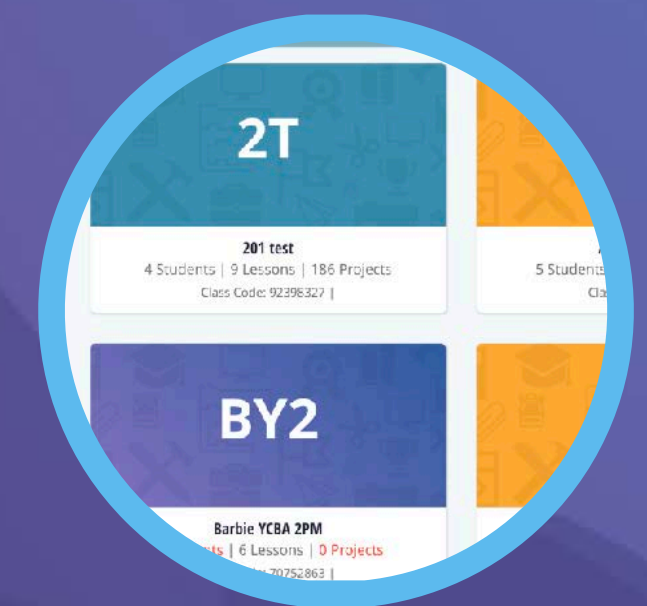
BLOCK AND
TEXT CODING

COMPREHENSIVE
CURRICULUM

STEM
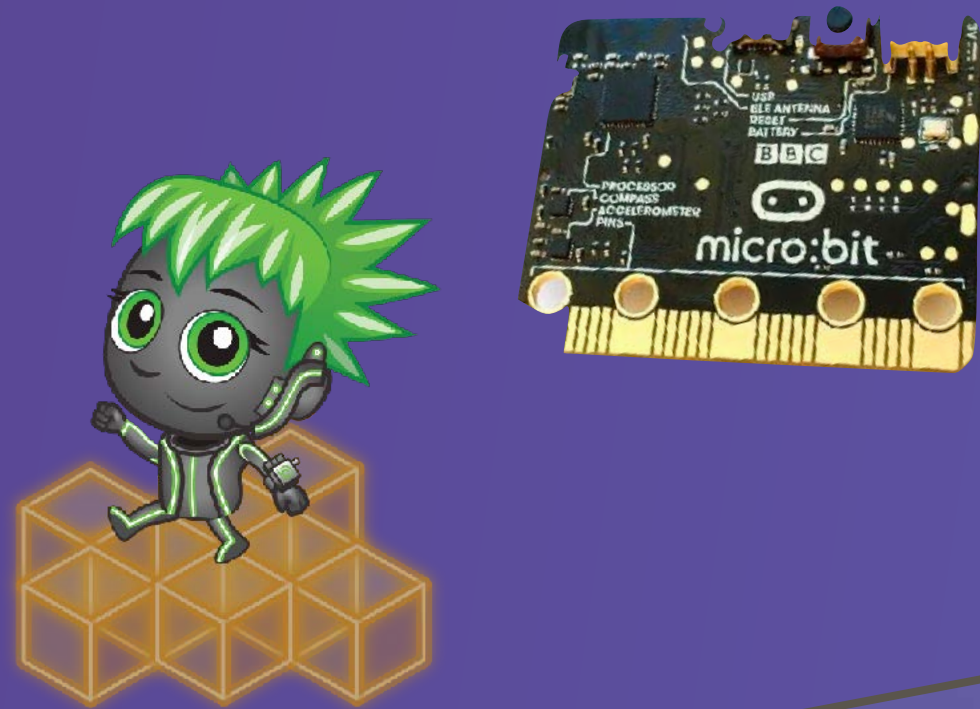COURSES

AUTOMATIC
ASSESSMENTS

CLASSROOM
MANAGEMENT

PROFESSIONAL
DEVELOPMENT

Trusted by 150,000 schools

AVAILABLE ON WEB & MOBILE PLATFORMS

Tynker empowers students to become makers

ROBOTICS, AUGMENTED REALITY & MORE

ICON & BLOCK CODING

On Start

Repeat 3

Attack

DIGITAL

VIRTUAL

STEM & PBL

DATA SCIENCE AND AI

TEXT CODING

```
Move forward
forward();
for(i=0;i<20;i++){
  if(i>2) {
    turnLeft();
  }
  i
  el
} if
  in
} instanceof
```

HTML 5

micro:bit

on start
learn to code
about
magnetism

on start
learn to code
about
multiplication

on start
learn to code
about
reading
writing

100,000,000 users world-wide!

I LOVE TYNKER!!!

© Tynker

Trusted by thousands of districts and schools
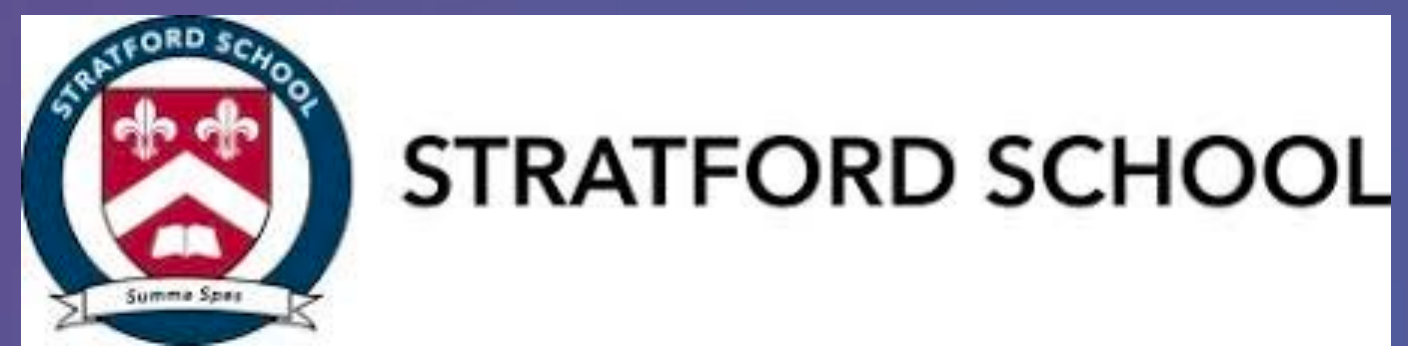
150 Thousand
Schools use
Tynker

400 Million+
Coding lessons
completed

8 Billion+
Lines of code
written by kids!

PLEASANTON
UNIFIED SCHOOL DISTRICT

STRATFORD SCHOOL

GISD
GARLAND INDEPENDENT SCHOOL DISTRICT

NSW GOVERNMENT | Education

SPRINGFIELD
PUBLIC SCHOOLS

PARKLAND
SCHOOL DISTRICT

NYC
Department of
Education

EL DORADO
PUBLIC SCHOOLS

Chicago
Public
Schools

• • •
thousands more!

Grade-based learning progression

Pre-reader	Elementary School	Middle School	High School
Voice-enabled and tappable	Drag & drop text blocks	Syntax-free language blocks	Text-coding, AI JS, Python, Java, AP
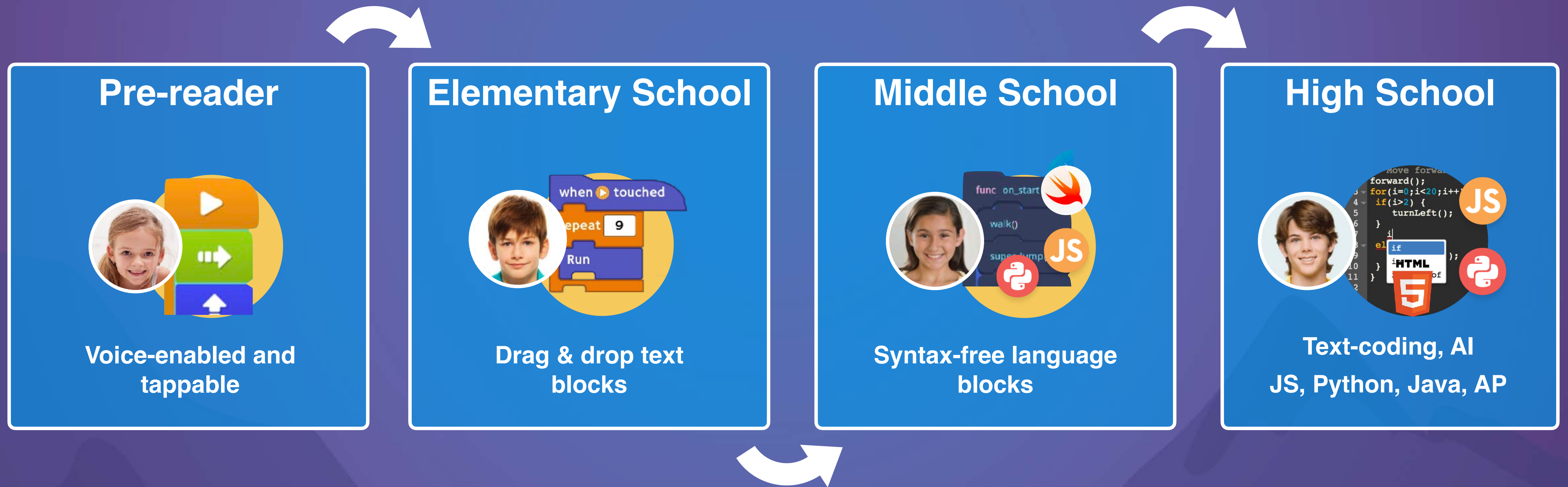
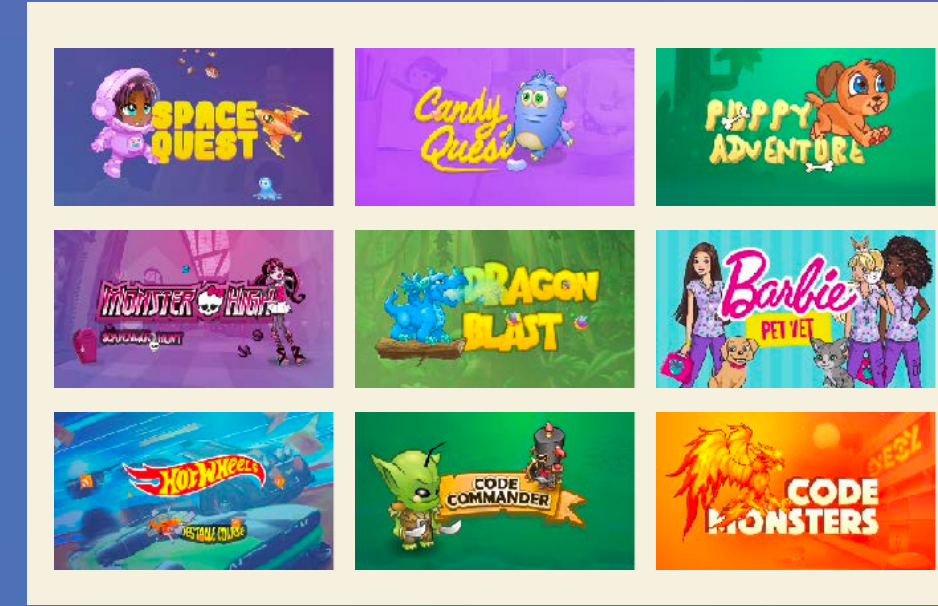*The only platform that takes them all the way*
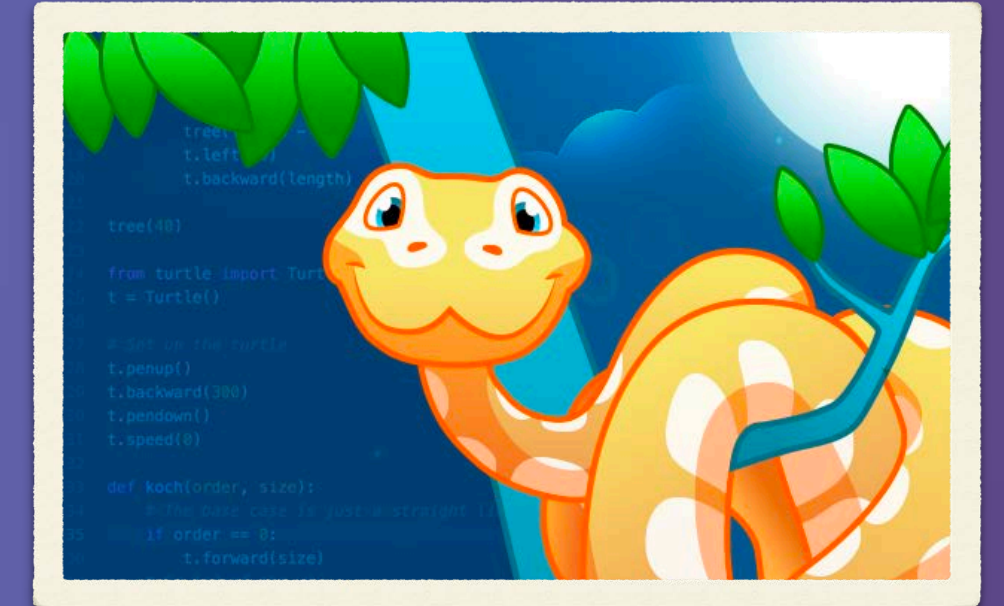
1600 hours of scaffolded curriculum
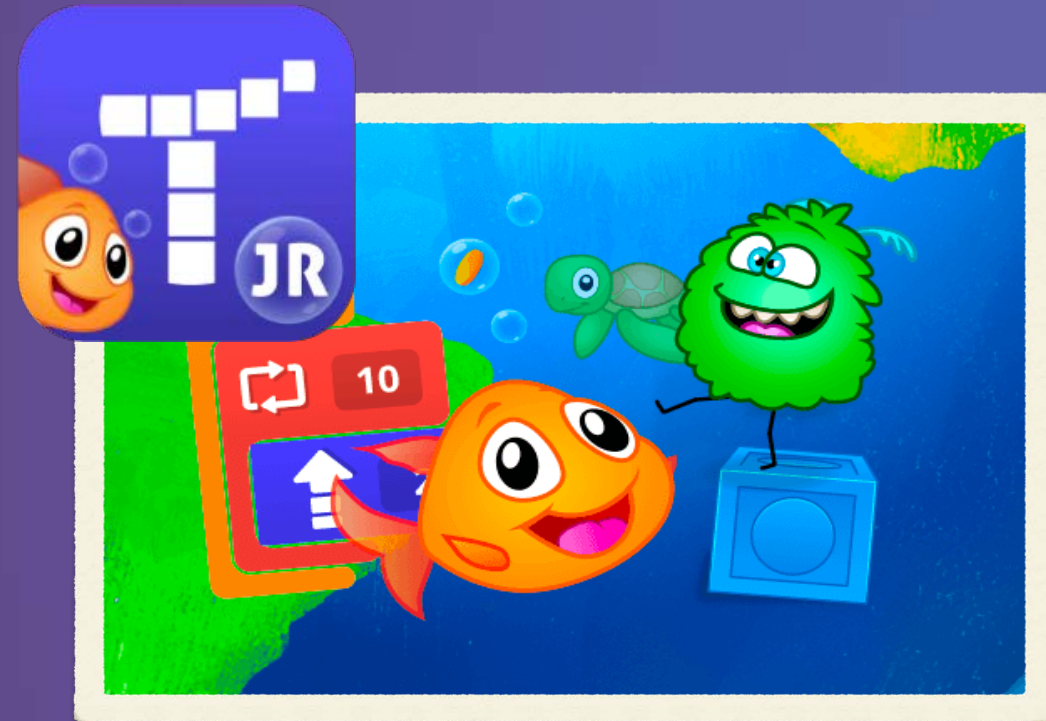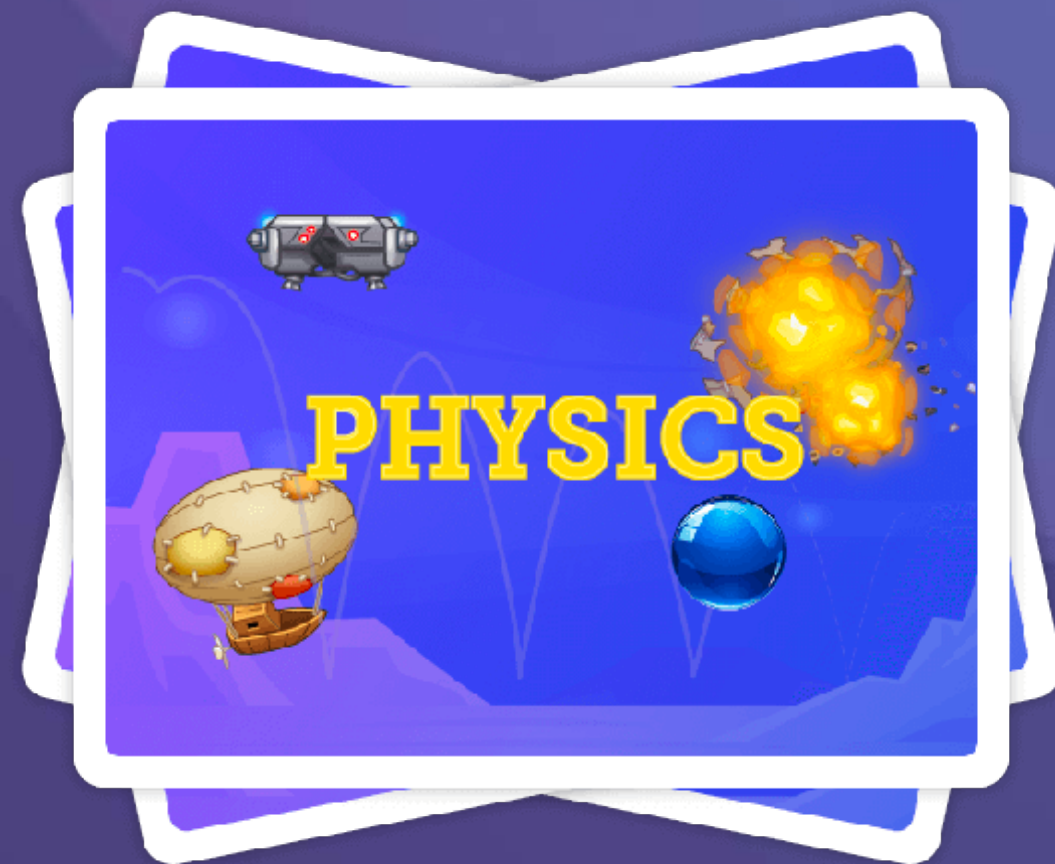

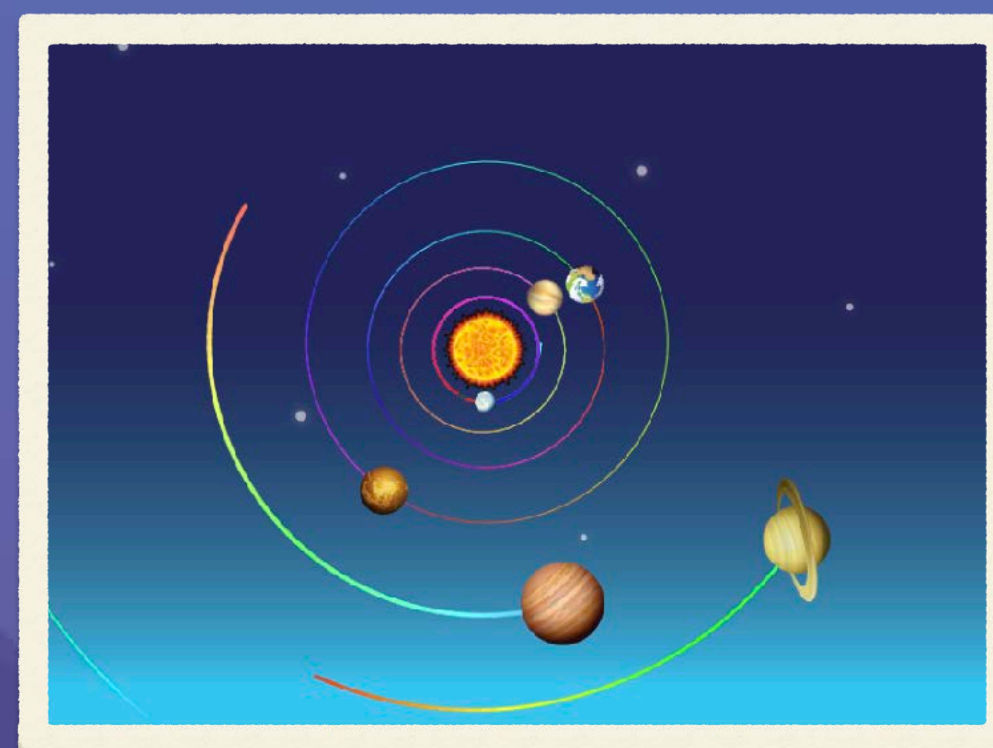**10 pre-reader courses**

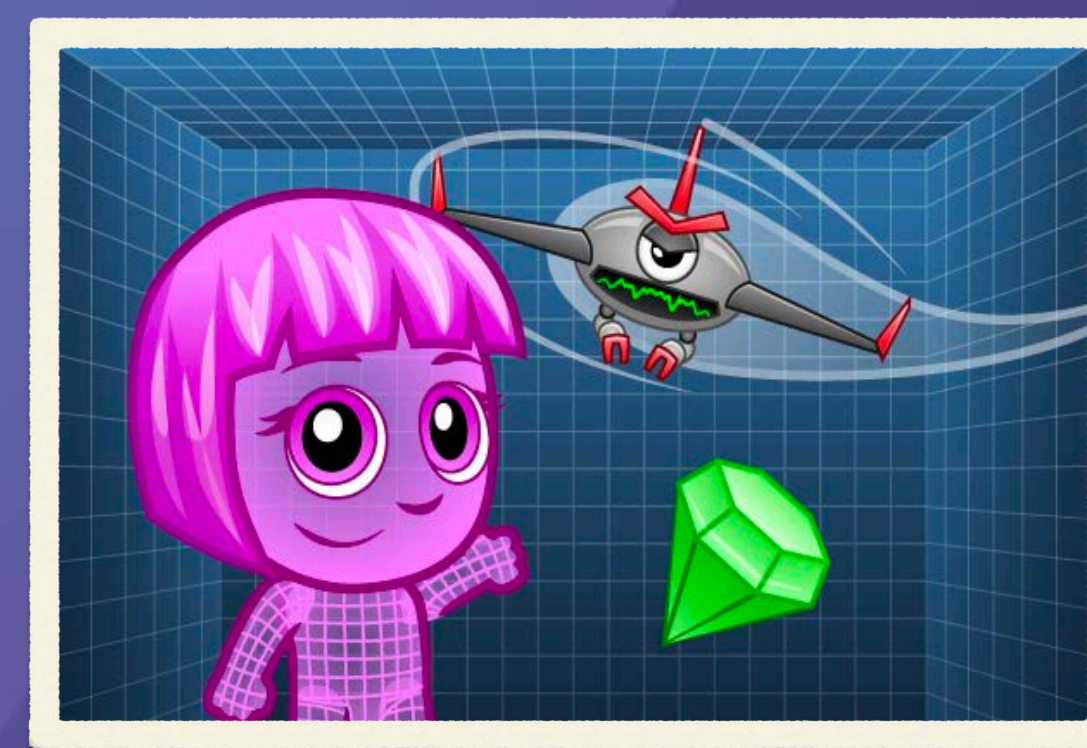
15 block coding courses

500 Hour of Code challenges

12 text-coding courses

300+ DIY projects

12 STEM courses

**5 electives: LEGO, micro:bit, AR, drones, AI**

Tynker curriculum
## Packages Available for 2023-2024 School Year

Course Name	Grade	Level	K-2 Code Prep	Elementary School	Middle School	K-8 School	High School	AP
10 Pre-reader Courses++	K-2	Beginner	✓	✓		✓		
Space Cadet	K-2	Beginner	✓	✓		✓		
Dragon Spells	K-2	Intermediate	✓	✓		✓		
Programming 1A, 1B	K-2	Beginner	✓	✓		✓		
20 Digital Literacy Video Courses	K-5	Beginner		✓		✓		
Programming 101, 102	3-4	Beginner		✓		✓		
Lego WeDo Coding	1-5	Beginner		✓		✓		
6 STEM Level 1 Courses	3-5	Beginner		✓		✓		
Augmented Reality	3-8	Intermediate		✓	✓	✓		
Microbit 101	6 & up	Intermediate		✓	✓	✓		
Intro to AI	6 & up	Intermediate		✓	✓	✓		
Programming 201, 202	5-6	Intermediate		✓	✓	✓		
6 STEM Level 2 Courses	6-8	Intermediate			✓	✓		
Programming 301, 302+	7-8	Advanced			✓	✓	✓	
Drone Coding	5 & up	Beginner			✓	✓	✓	
JavaScript 101+	6 & up	Advanced			✓	✓	✓	
Python 101 +	6 & up	Advanced			✓	✓	✓	
Web Development +	6 & up	Advanced			✓	✓	✓	
MicroPython 101 +	6 & up	Advanced			✓	✓	✓	
Python 201 +	8 & up	Advanced			✓	✓	✓	
Data Science 1	9 & up	Advanced					✓	
Artificial Intelligence	9 & up	Advanced					✓	
Java 101	9 & up	Advanced					✓	
Intro to CS with Art (Processing)	9 & up	Beginner					✓	
AP Computer Science Principles	9 & up	Intermediate						✓
AP Computer Science A	9 & up	Advanced						✓

+ Not Available on iPad.   ++ Only available on Tynker Junior App

© Tynker

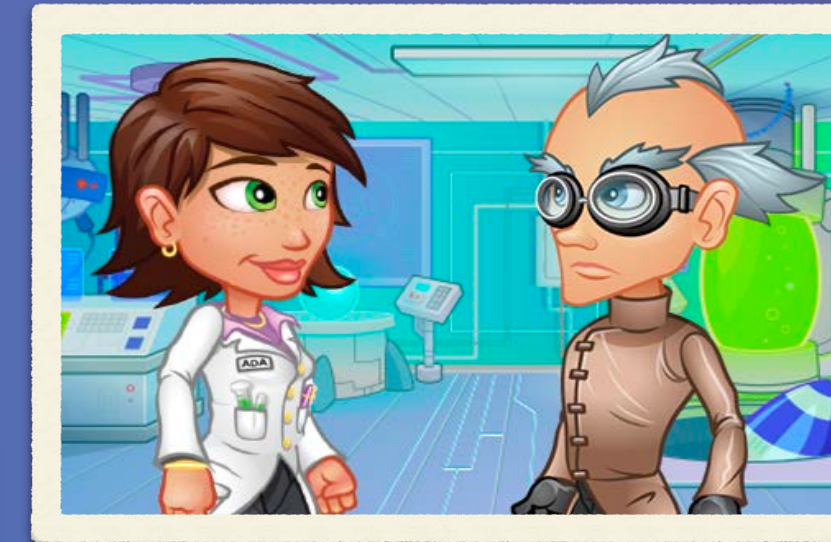# Scaffolded coding curriculum
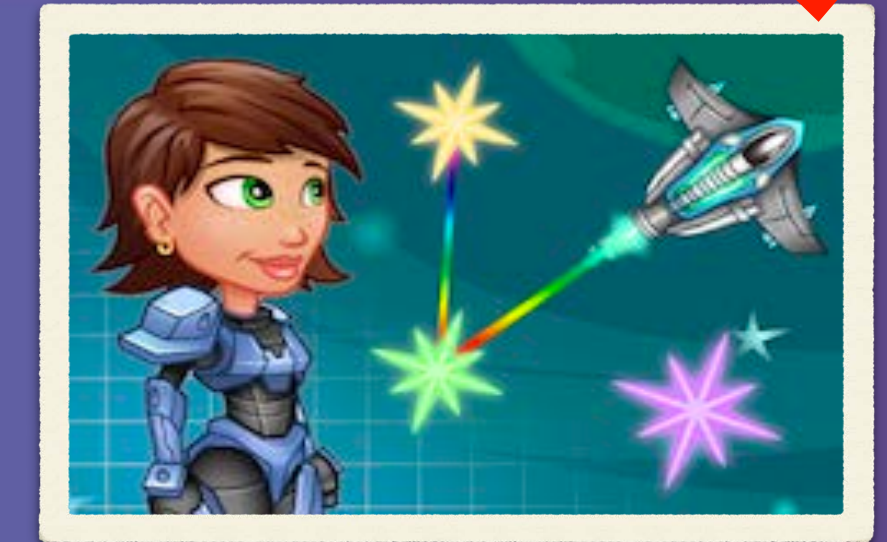
200+ Lessons
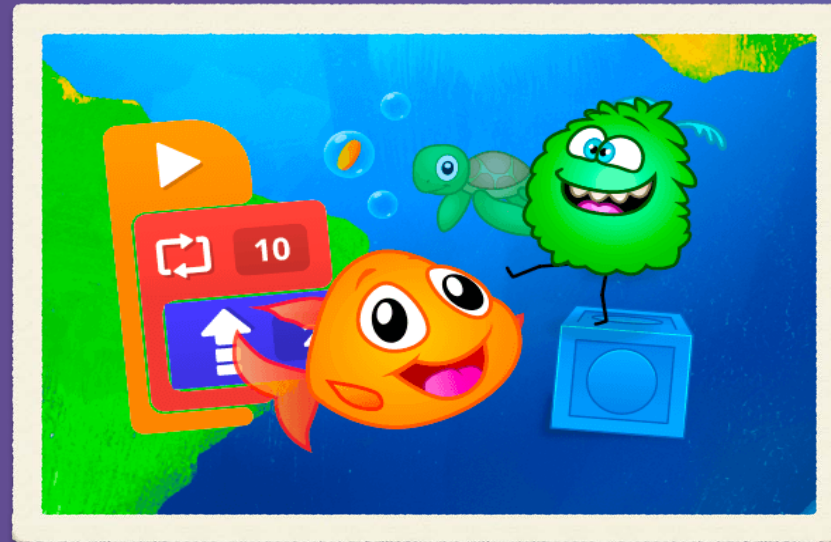
Pre-reader Pack
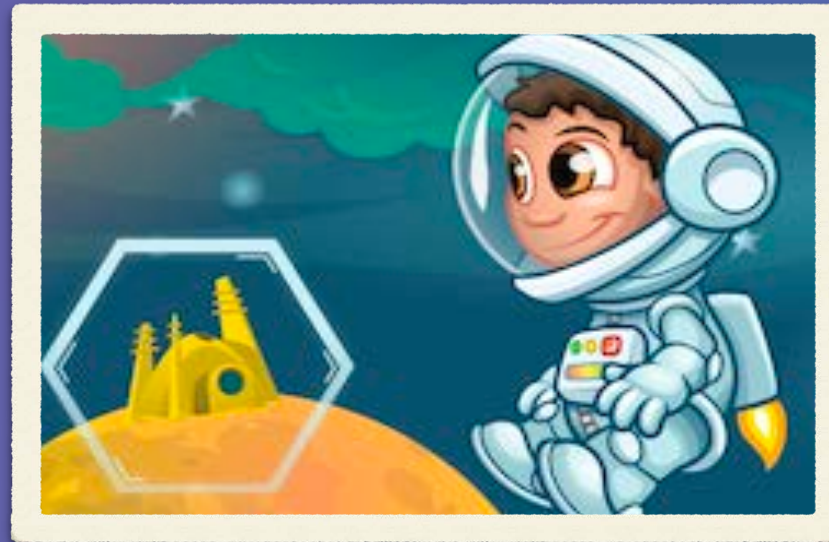
Programming 1A

Programming 1B

Programming 101

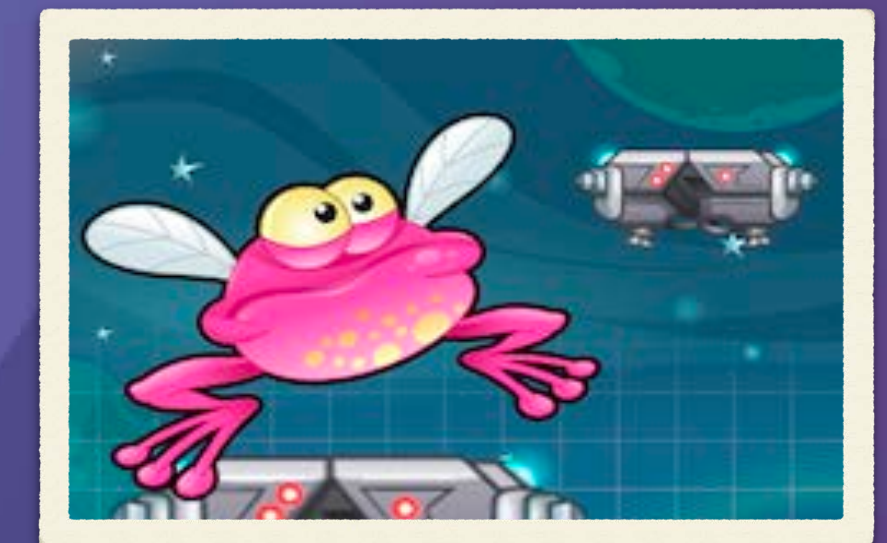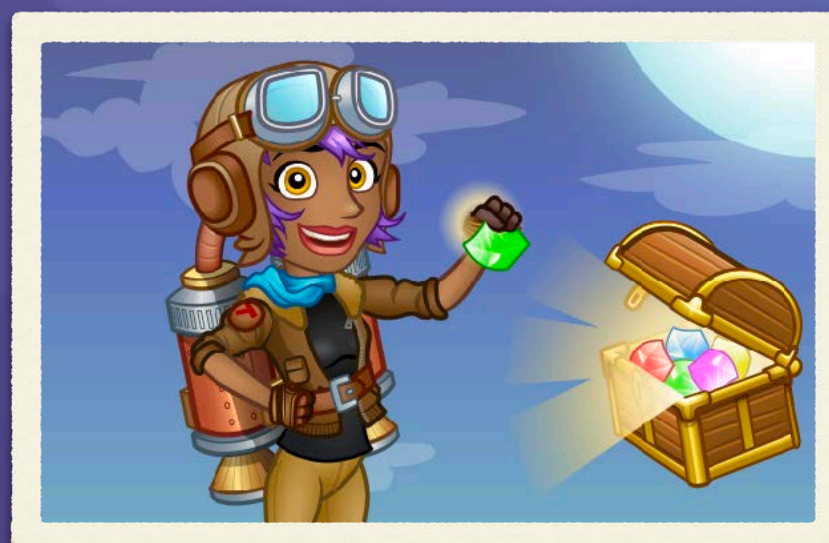Programming 102

Programming 100

Programming 201

Programming 202

Programming 301

Programming 302
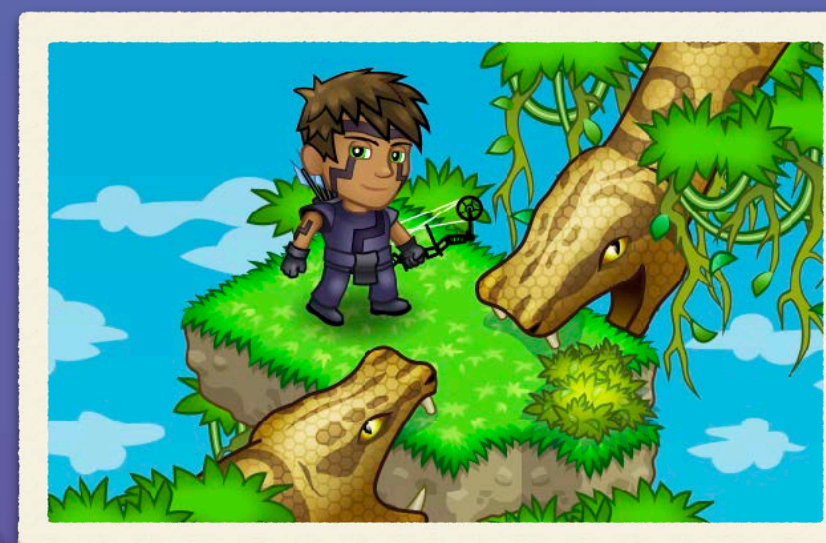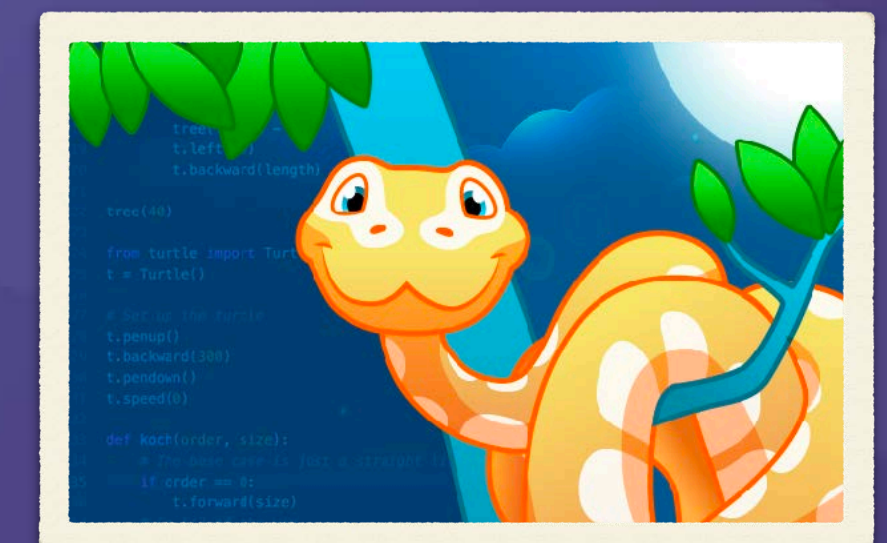
Programming 300

JavaScript 1

Python 1

Web Dev 1

Python 2

© Tynker

Digital Literacy Topics for K-5

GRADES K-2

What is a Computer?

Using Computers

What is a Computer Network?

What is Data?

Computer Errors

What is a Computer Program?

Digital Citizenship and Cybersecurity

History of Computing

GRADES 3-5

All About Computers

Computing Applications

Careers in Computing

Computer Networks

Storing Data

Data Analysis

Troubleshooting Problems

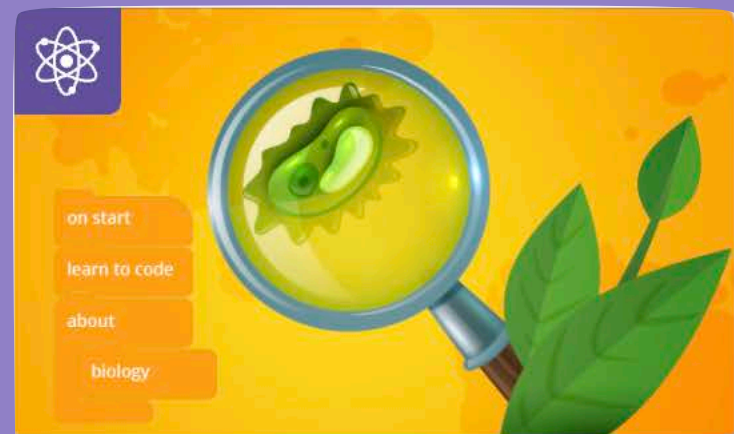Algorithms and Programming

Digital Citizenship

Cybersecurity

Evolution of Computers
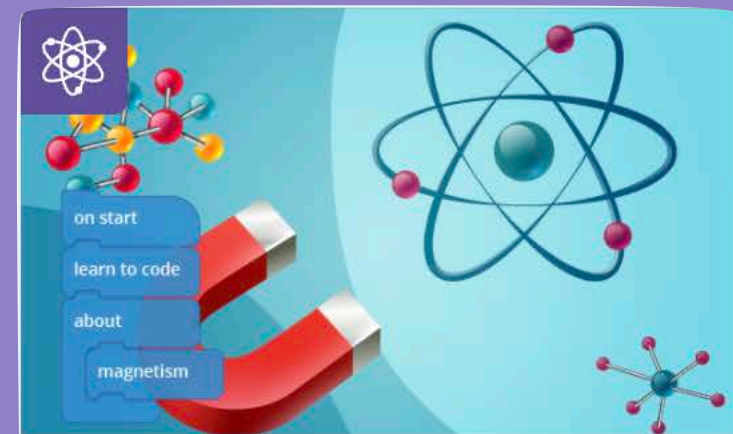
Accessibility and Usability

STEM Coding Courses

Life Science 101
GRADES 3 - 5 · Web · iPad
Beginner • 17 Lessons • 22 Activities

A collection of fun programming projects about topics in biology, anatomy, and...

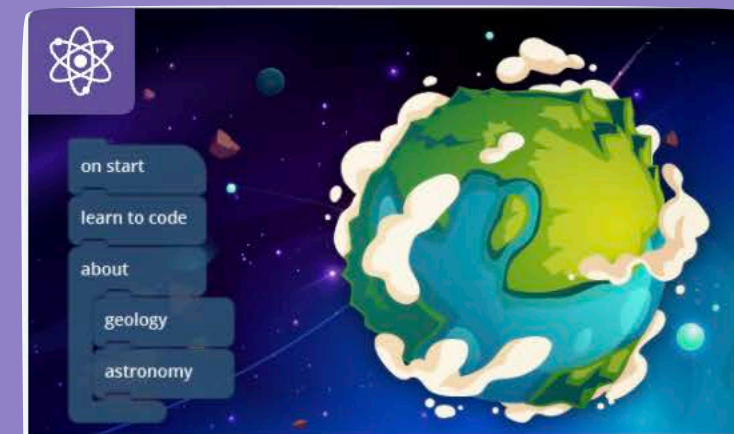## Physical Science 101
GRADES 3 - 5 · Web · iPad
Beginner • 14 Lessons • 20 Activities

A collection of fun programming projects about topics in physics and chemistry.

Earth Science 101
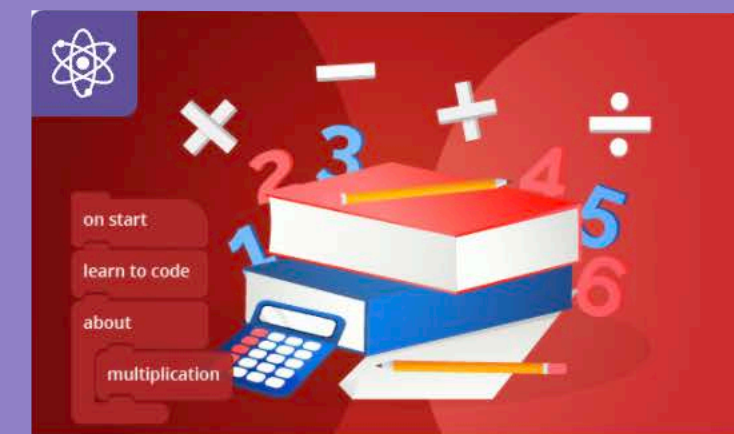GRADES 3 - 5 · Web · iPad
Beginner • 20 Lessons • 20 Activities

A collection of fun programming projects about topics in geology, meteorology,...

Math 101
GRADES 3 - 5 · Web · iPad
Beginner • 24 Lessons • 50 Activities

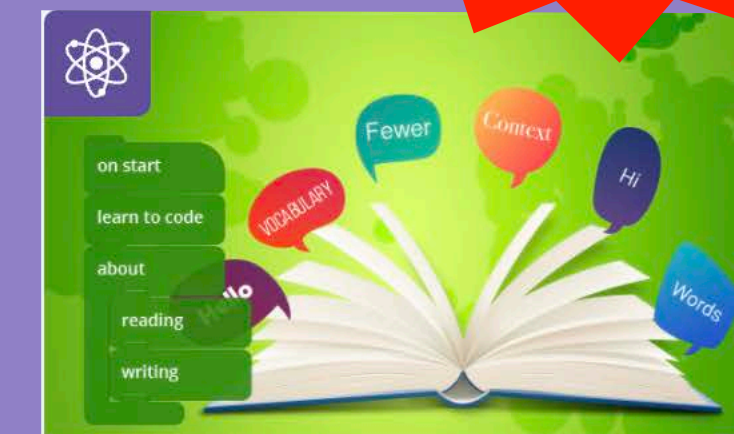A collection of fun projects that use programming to solve math problem...

Social Studies 101
GRADES 3 - 5 · Web · iPad
Beginner • 12 Lessons • 28 Activities

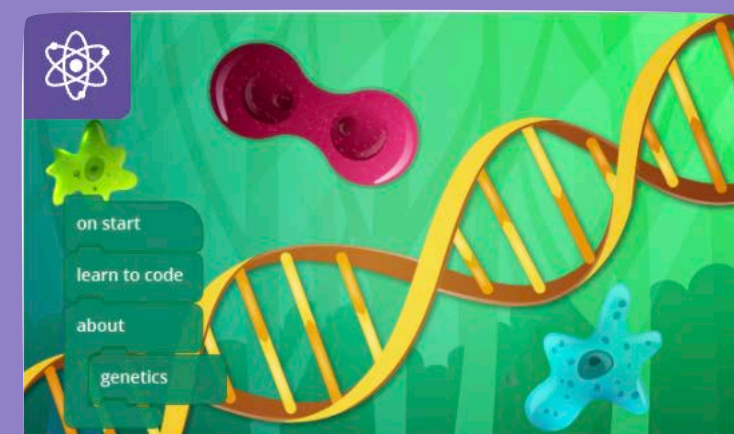A collection of fun programming projects about topics in history, geography, civic...

English 101
GRADES 3 - 5 · Web · iPad
Beginner • 15 Lessons • 30 Activities

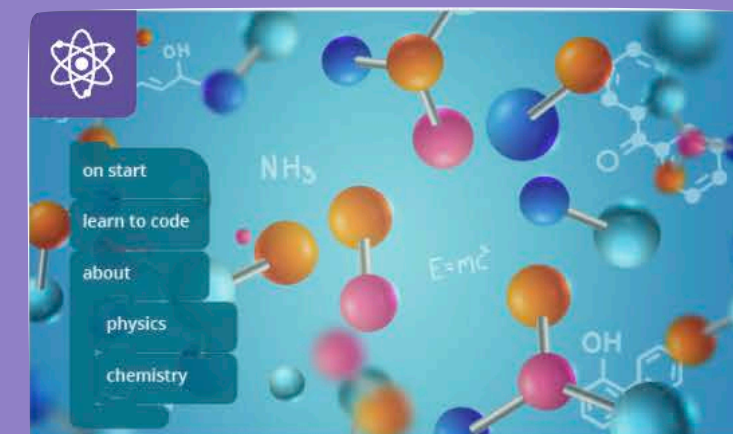A collection of fun programming projects about grammar, storytelling, reading,...

Life Science 201
GRADES 6 - 8 · Web · iPad
Intermediate • 31 Lessons • 22 Activities

A collection of fun programming projects around topics in biology, anatomy, an...

Physical Science 201
GRADES 6 - 8 · Web · iPad
Intermediate • 23 Lessons • 22 Activities

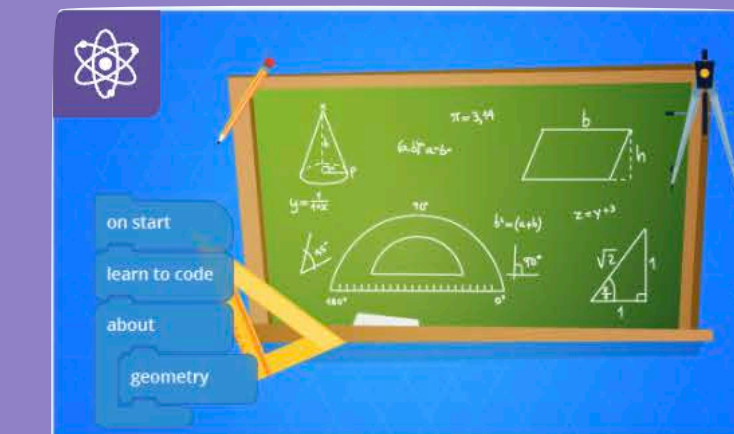A collection of fun programming projects about topics in physics and chemistry.

Earth Science 201
GRADES 6 - 8 · Web · iPad
Intermediate • 19 Lessons • 22 Activities

A collection of fun programming projects about topics in geology, meteorology,...

Math 201
GRADES 6 - 8 · Web · iPad
Intermediate • 11 Lessons • 22 Activities

A collection of fun projects that use programming to solve math problem...

Social Studies 201
GRADES 6 - 8 · Web · iPad
Intermediate • 17 Lessons • 22 Activities

A collection of fun programming projects about topics in history, geography, civic...

English 201
GRADES 6 - 8 · Web · iPad
Intermediate • 10 Lessons • 22 Activities

A collection of fun programming projects around grammar, storytelling, reading...

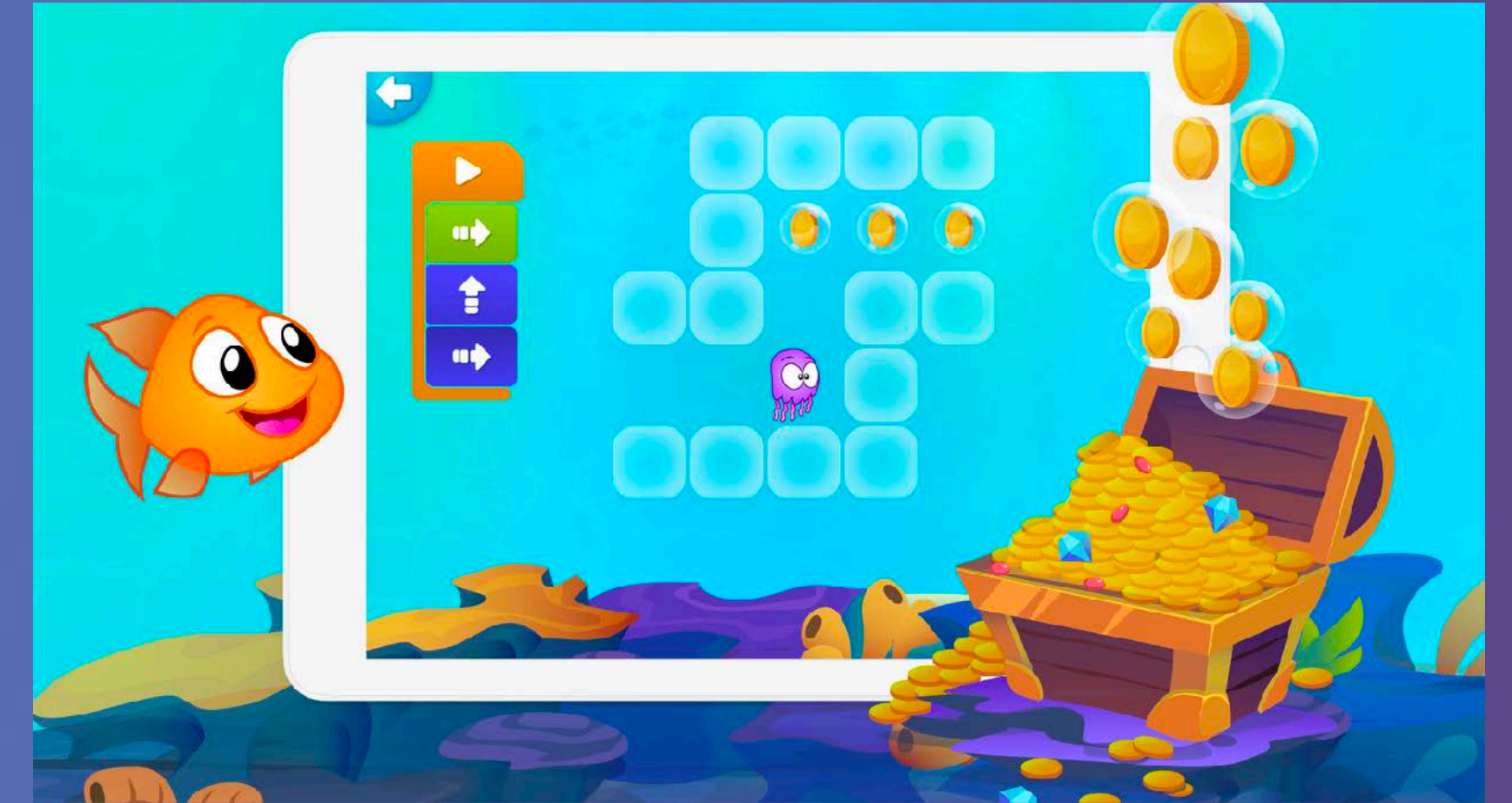*Integrate coding into all subjects with over 200 PBL lessons*

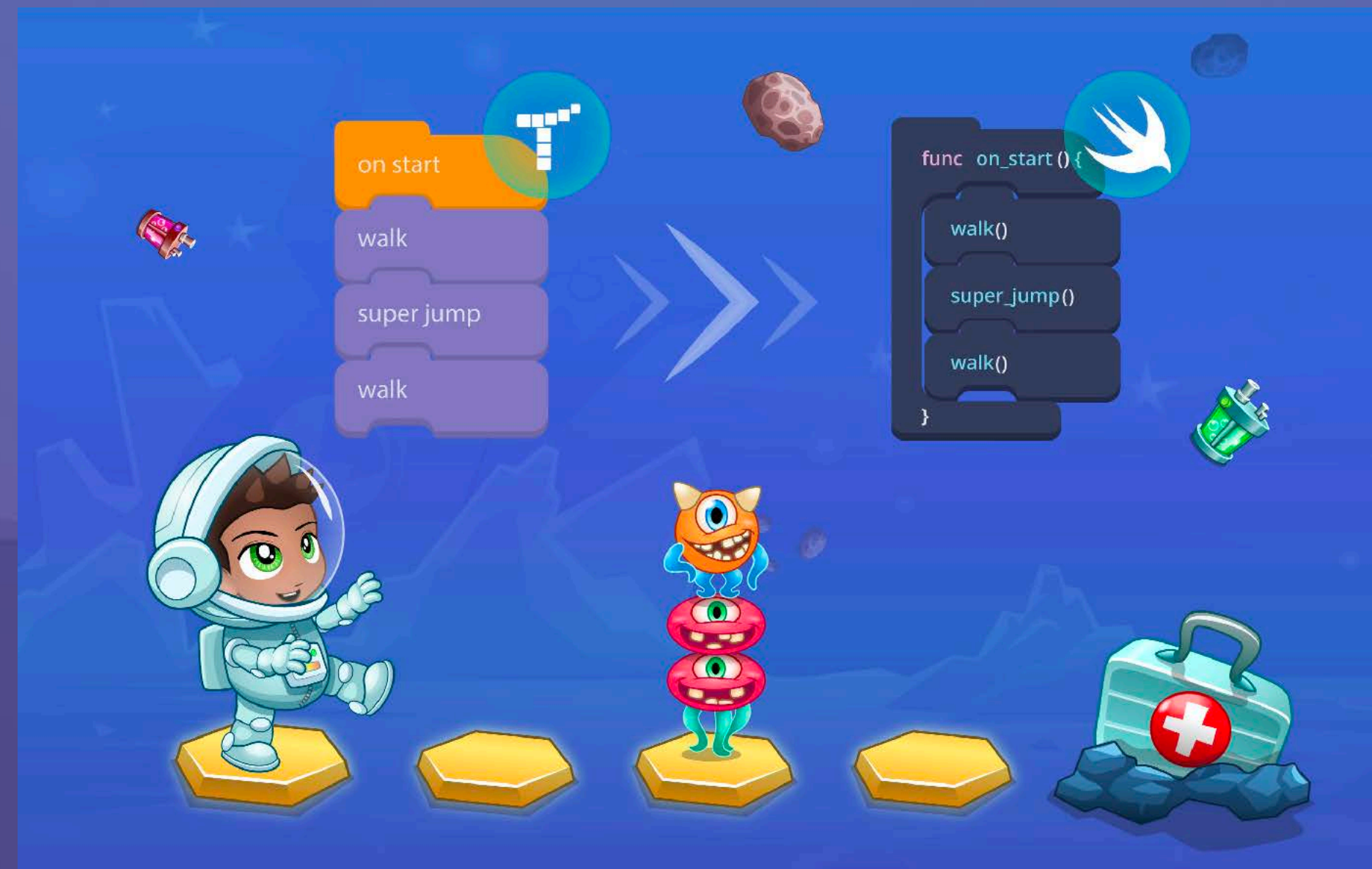# Mobile apps included with plans

Tynker Junior
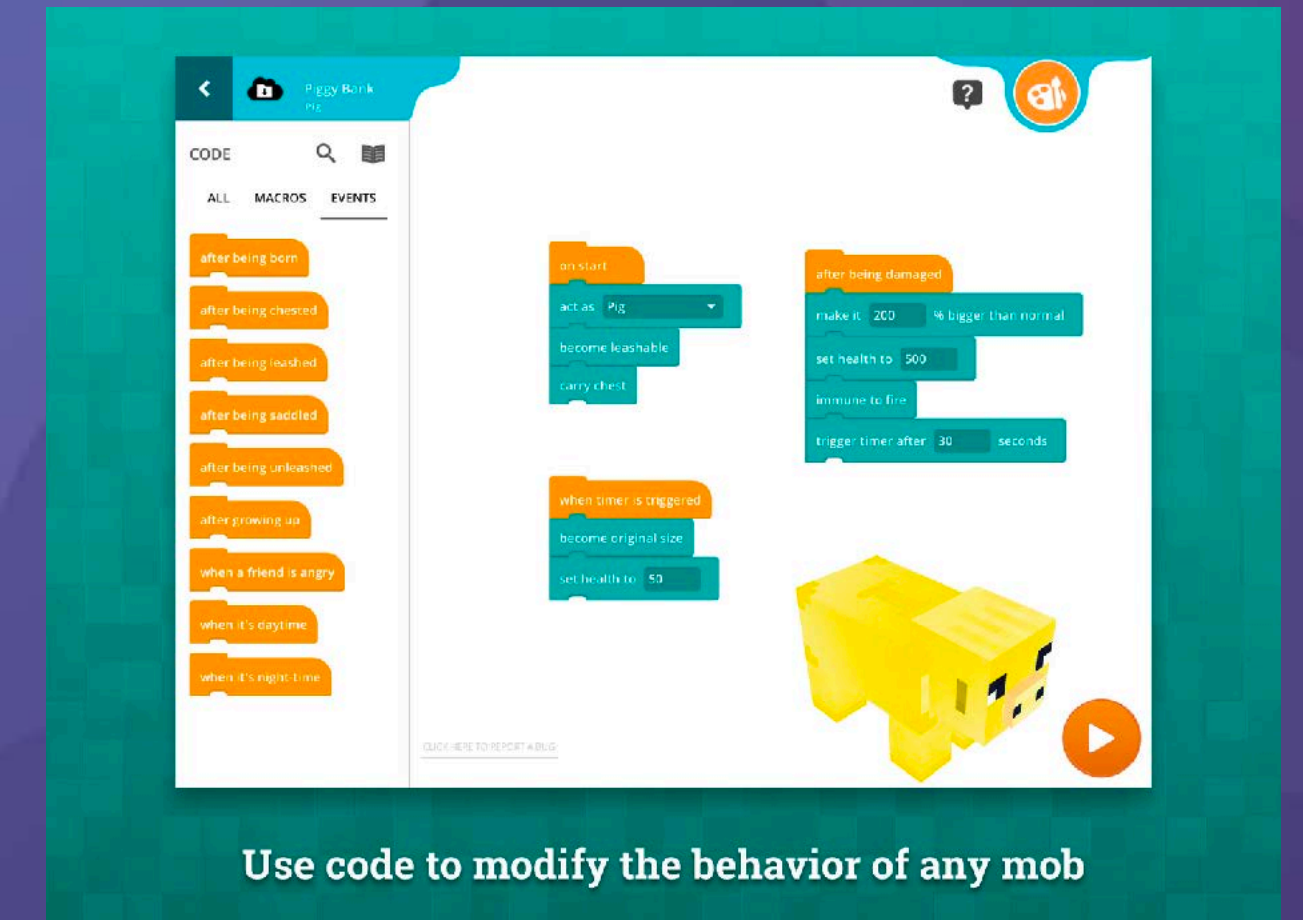Ages 4-6

Tynker
Ages 7+

Use picture-coding, no words

Control drones and robots

Learn Block-coding and Swift

Use code to modify the behavior of any mob

Model 3D mobs and edit behaviors

© Tynker

Powerful tools save time and effort for educators

Educator Dashboard

- Distance Learning

- Import student roster

- Guides and answers keys

- Lesson plans

- Mastery charts

- Shared showcases

- Asynchronous chats

- Help & forums

- Resources and help

Clear commitment to student privacy and security
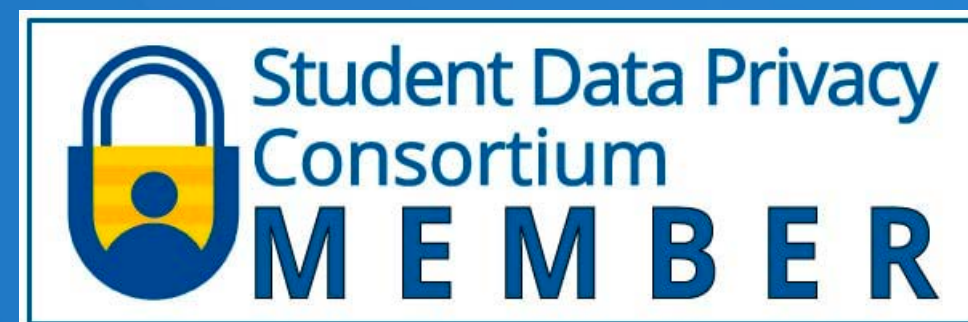
DATA

Student data is secure and owned by your district.

PRIVACY

Tynker complies with federal and state-level privacy frameworks. See Details

COMMUNITY

Active moderation ensures that the community is a safe place to share and learn.

© Tynker

Teachers can get started in minutes!

✓ **Easy-to-use dashboard with classroom and student management**

✓ **Integrates with most market-leading identity and rostering providers**

✓ **District and school level student and teacher management with CSV uploads**

✓ **SmartPass allows pre-readers to sign in easily with a QR code.**

© Tynker

Tynker automatically tracks student mastery
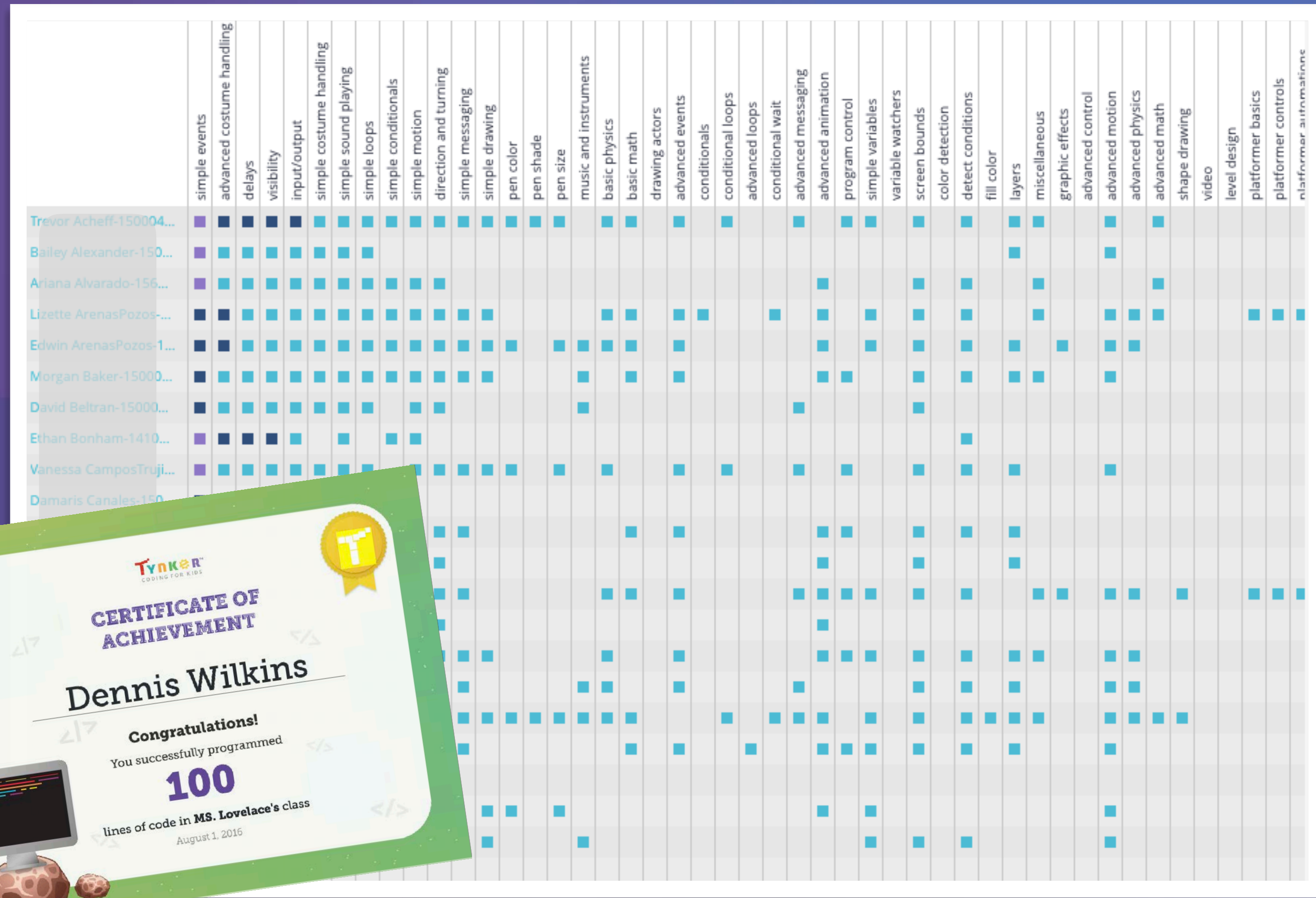
Students are automatically assessed as they

- View interactive tutorials

- Solve coding puzzles

- Complete projects

- Answer quizzes

- Finish lesson modules

Student scorecards and class metrics are updated in real time

Teacher-centric lessons save time

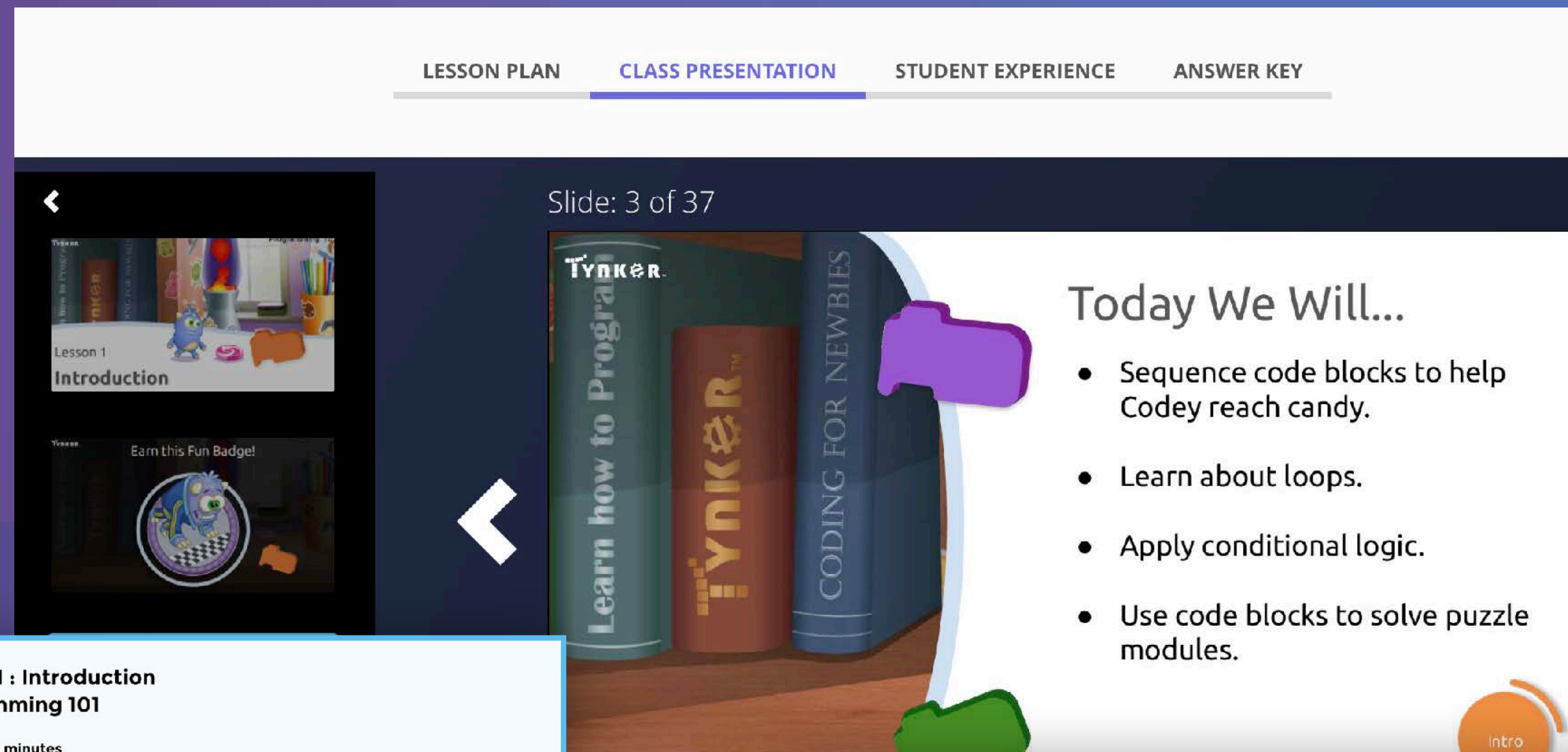✓ **Class presentation**

✓ **Vocabulary**

✓ **Warm-ups**

✓ **Answer keys**

✓ **Lesson notes**

✓ **Standards**

✓ **Automatic assessments**

© Tynker

Standards alignment

✓ CSTA

✓ ISTE

✓ AP CSA, AP CSP

✓ CCSS ELA and Math

✓ NGSS

✓ UK Standards

✓ US State CS Standards provided on request

K-2 SCHOOL PLAN

★ 10 pre-reader courses+

★ 4 block-coding courses *

+ via Tynker Junior, Tynker Apps

* Via tynker.com

400 students **- $2,400**
per school year **OR**
$15 per student (50 student min)

ELEMENTARY SCHOOL PLAN

★ 10 pre-reader courses

★ 12 block-coding courses

★ 4 electives (AI, AR, micro:bit, LEGO)

★ 6 STEM courses

★ 500+ Hour of Code puzzles

★ 200+ do-it-yourself tutorials

400 students **- $3,600**
per school year **OR**
$20 per student (50 student min)

MIDDLE SCHOOL PLAN

★ 5 block-coding courses

★ 6 text-coding courses

★ 4 electives (AI, AR, micro:bit, drone)

★ 6 STEM courses

★ 500+ Hour of Code puzzles

★ 200+ do-it-yourself tutorials

400 students **- $3,600**
per school year **OR**
$20 per student (50 student min)

Combination plans and multi-year discounts available.
Email sales@tynker.com

© Tynker

K-8 SCHOOL PLAN

★ 10 pre-reader courses
★ 15 block-coding courses
★ 6 text-coding courses
★ 5 electives(AI, AR, m:bit, Lego, drone)
★ 12 STEM courses
★ 500+ Hour of Code puzzles
★ 200+ do-it-yourself tutorials

600 students - **$5,200**
per school year **OR**
$25 per student (100 student min)

HIGH SCHOOL PLAN

★ 8 text-coding courses
    Python 101/201, JavaScript,
    Web Dev, Java, AI,
    MicroPython, Data Science
★ 1 Art & computing course
★ 2 advanced block-coding courses
★ 100+ do-it-yourself tutorials

150 students - **$3,600**
per school year **OR**
$50 per student (20 student min)

ADVANCED PLACEMENT PLAN

★ Choice of
    AP Computer Science Principles OR
    AP Computer Science A

★ College Board endorsed

★ AP Curriculum Framework aligned

20 students - **$2,000**
per school year

Combination plans and multi-year discounts available.
Email sales@tynker.com

Educators ❤️ Tynker!

"My students gained a better understanding of computer programming. They also gained a better understanding of the learning process and how to get feedback about a product and revise from that feedback."

**- Lisa Sato
6th Grade Teacher**

"Don't be afraid to teach it just because you don't have a background in computer science – anyone can learn with a visual programming language like Tynker."

**- Laura Hanna

Computer Lab Teacher & Robotics Coach**

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