



COMPREHENSIVE K-12 CODING CURRICULUM



What is Tynker?

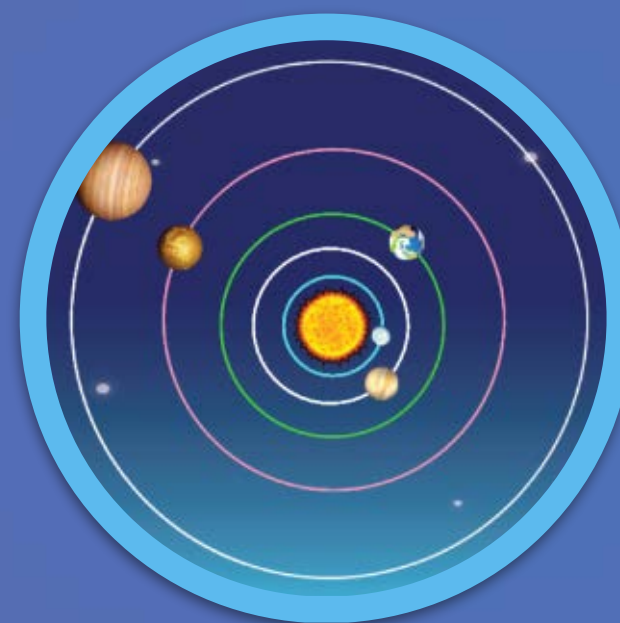
THE EASIEST WAY TO TEACH COMPUTER SCIENCE IN SCHOOLS



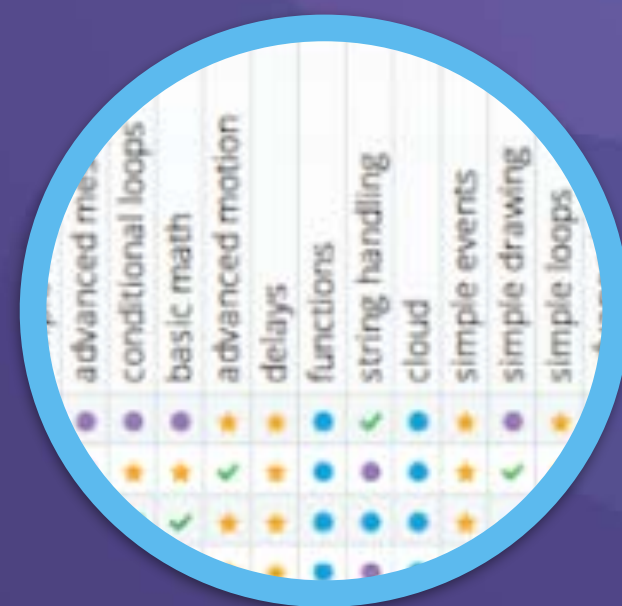
BLOCK AND TEXT CODING



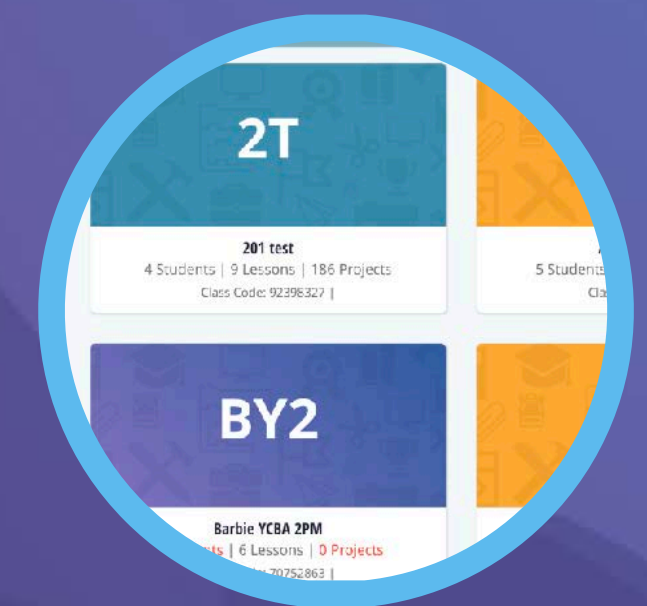
COMPREHENSIVE CURRICULUM



STEM COURSES



AUTOMATIC ASSESSMENTS



CLASSROOM MANAGEMENT



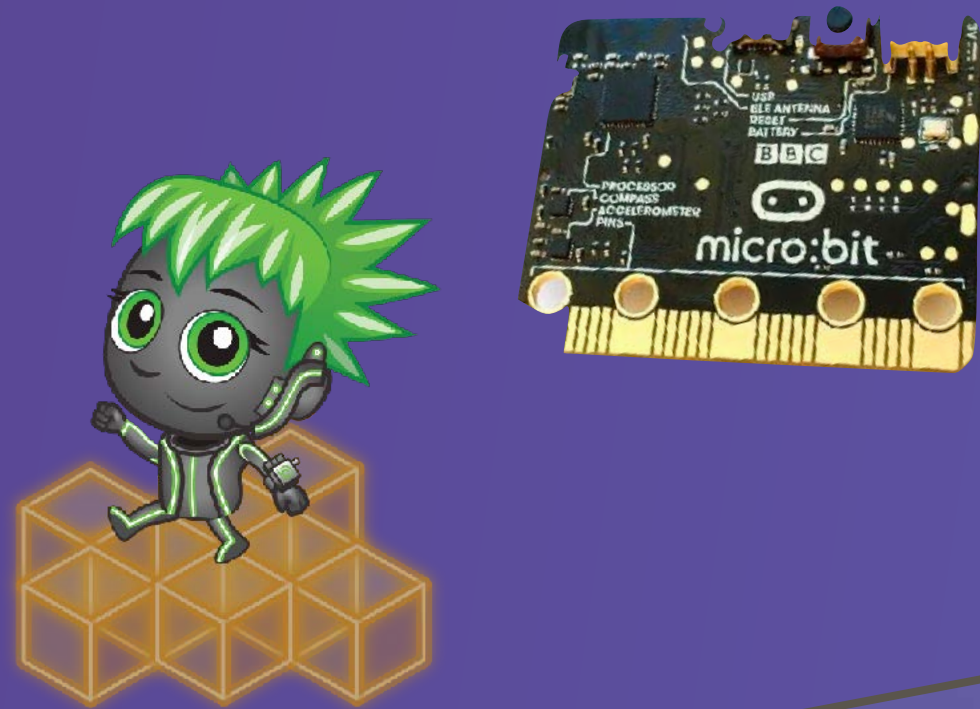
PROFESSIONAL DEVELOPMENT



Trusted by 150,000 schools

AVAILABLE ON WEB & MOBILE PLATFORMS

Tynker empowers students to become makers



ROBOTICS,
AUGMENTED
REALITY &
MORE



VIRTUAL

DIGITAL



ICON & BLOCK
CODING

TEXT
CODING



DATA SCIENCE
AND AI



STEM &
PBL



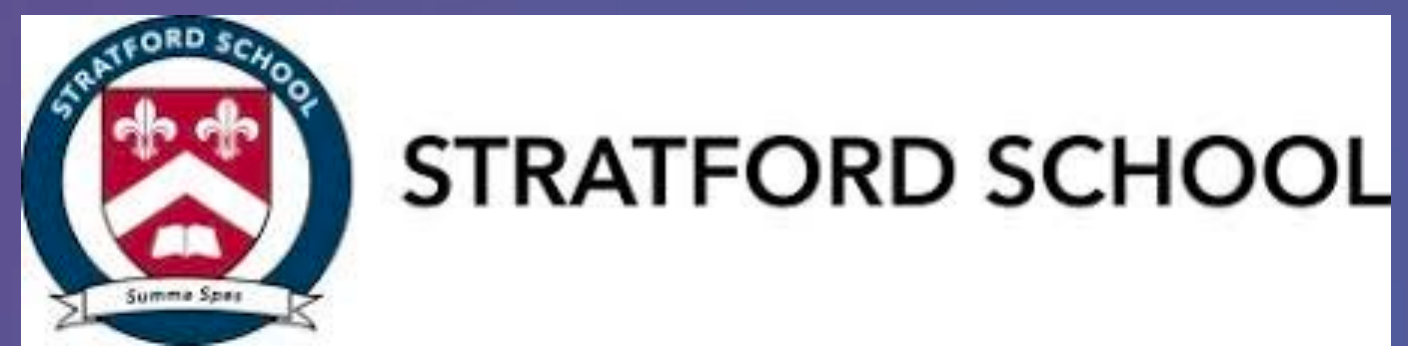
100,000,000 users world-wide!



American Association of School Librarians



Trusted by thousands of districts and schools



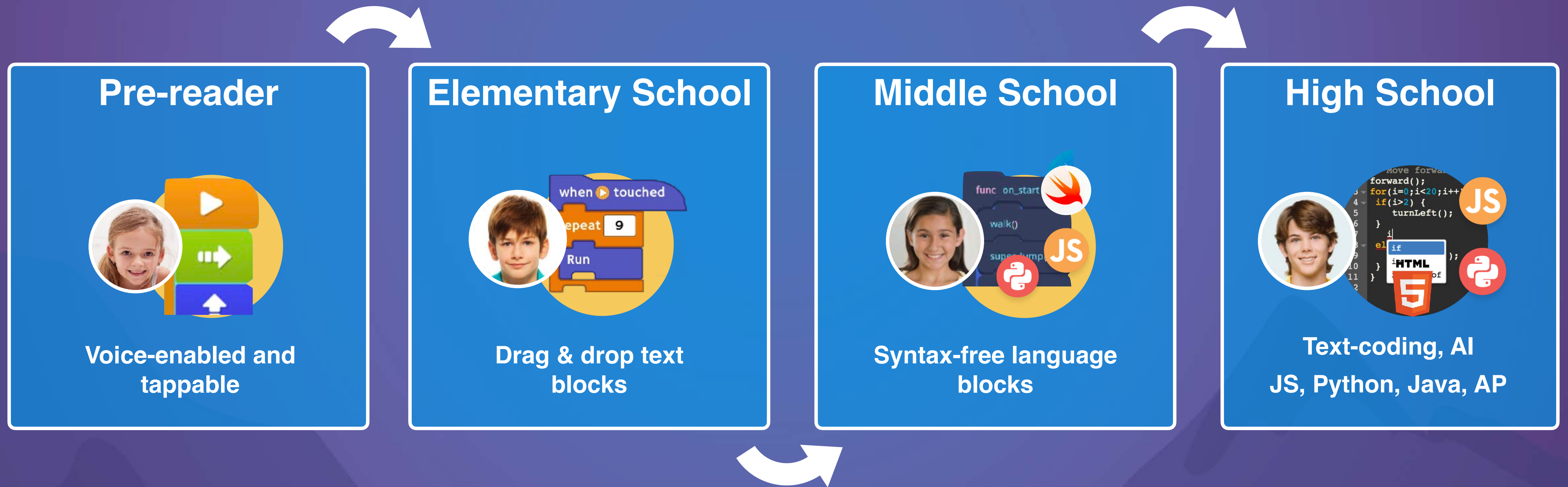
...
thousands more!

150 Thousand
Schools use
Tynker

400 Million+
Coding lessons
completed

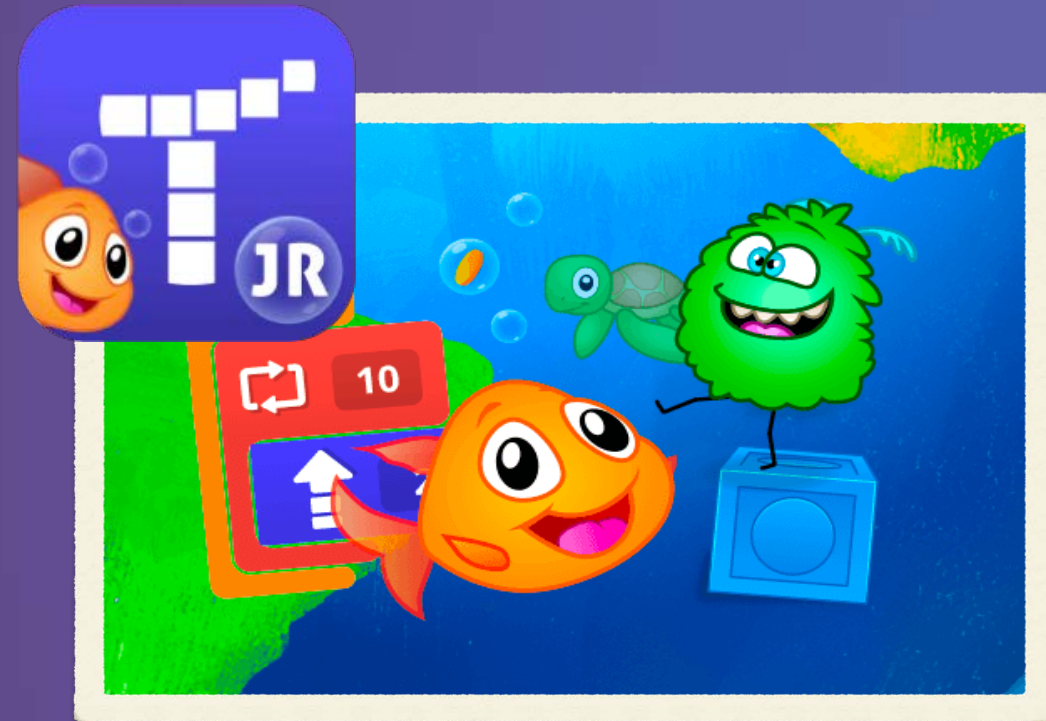
8 Billion+
Lines of code
written by kids!

Grade-based learning progression



The only platform that takes them all the way

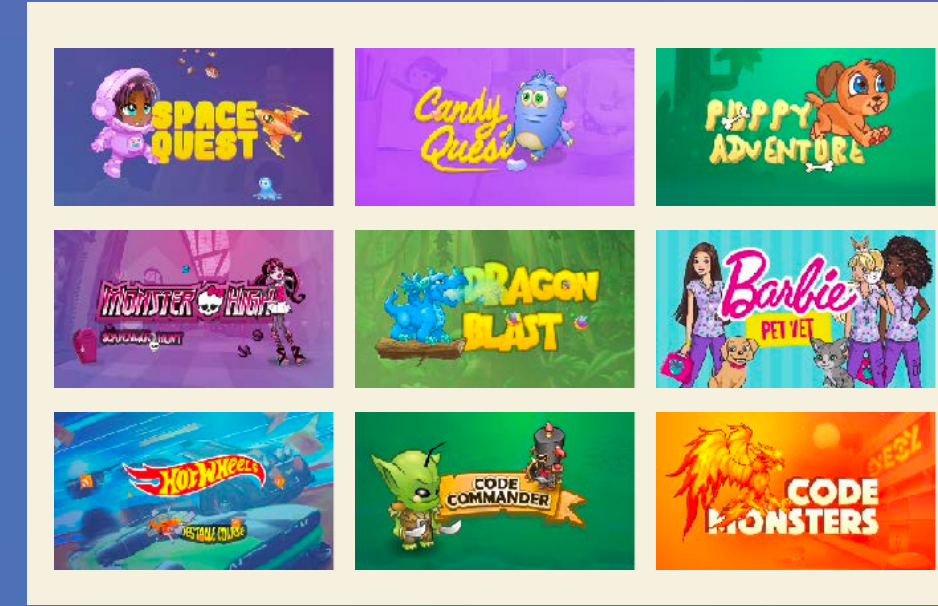
1600 hours of scaffolded curriculum



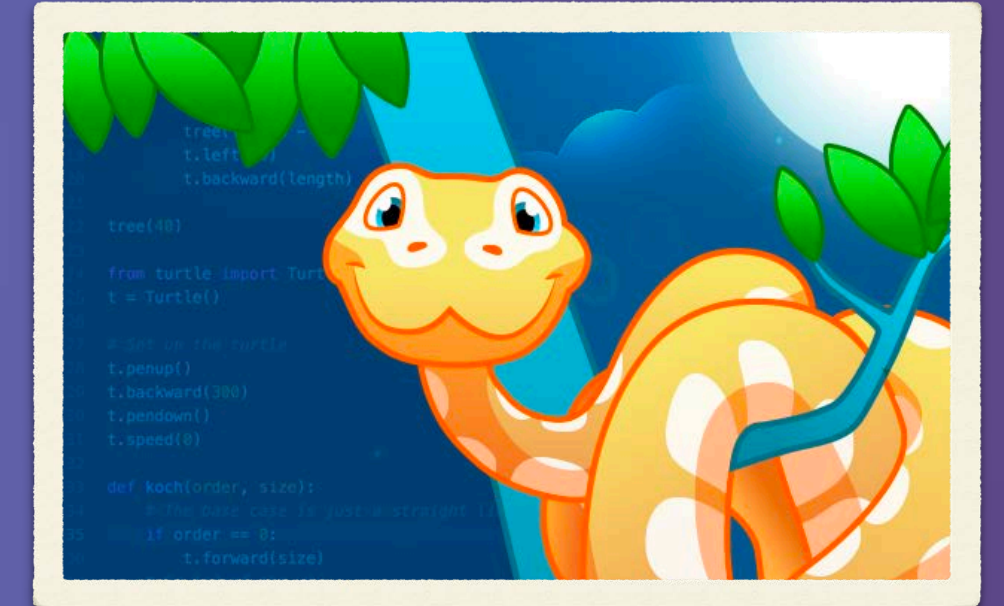
10 pre-reader courses



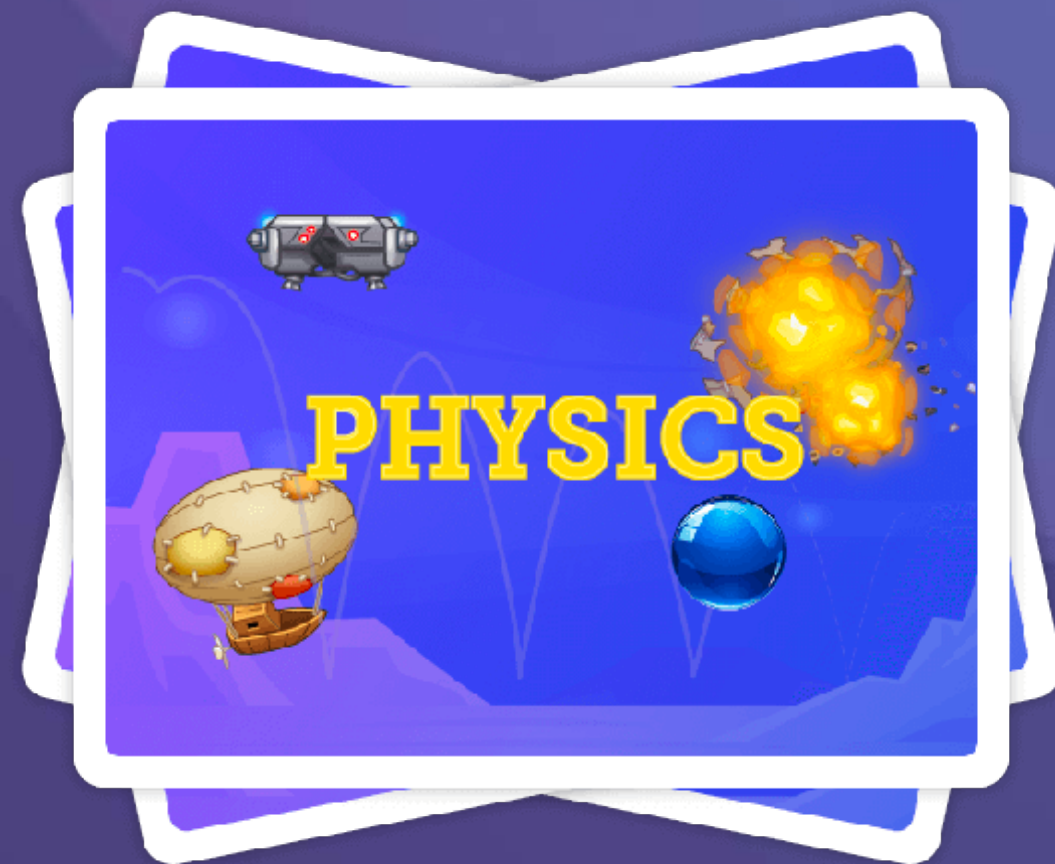
15 block coding courses



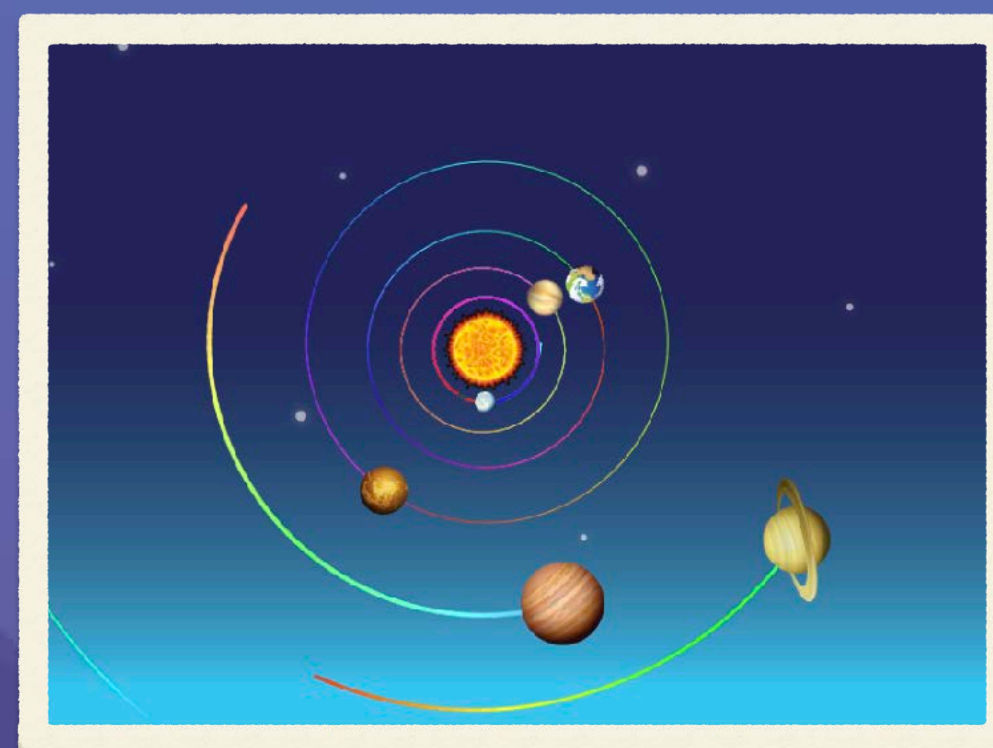
500 Hour of Code challenges



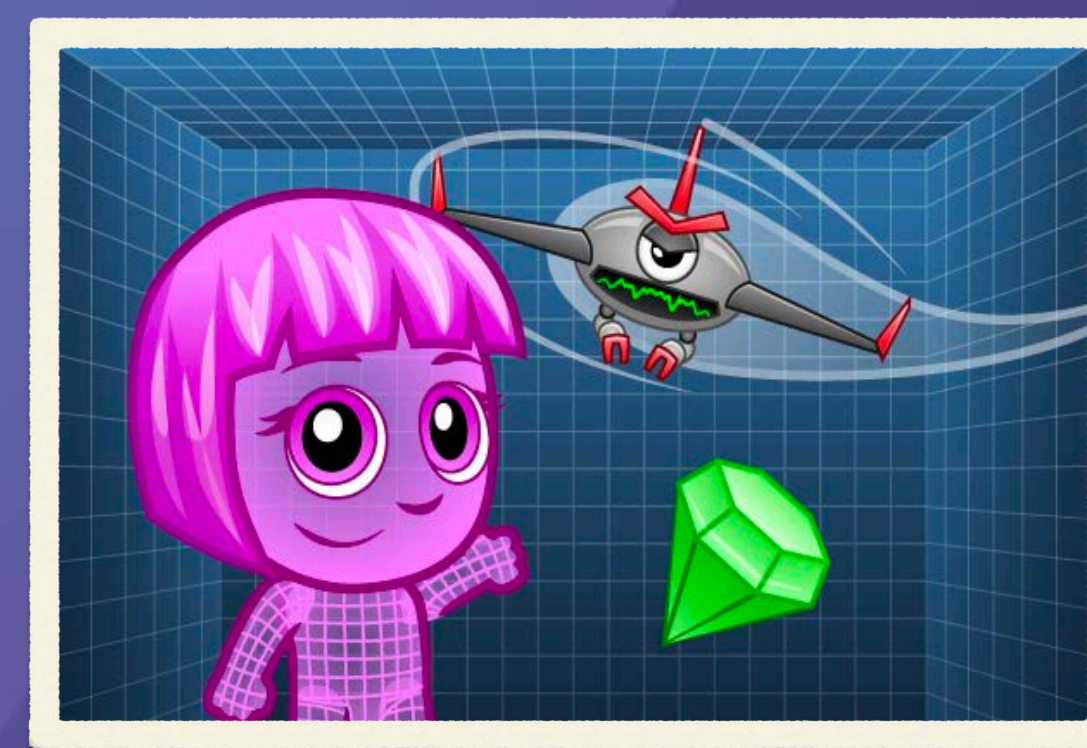
12 text-coding courses



300+ DIY projects



12 STEM courses



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

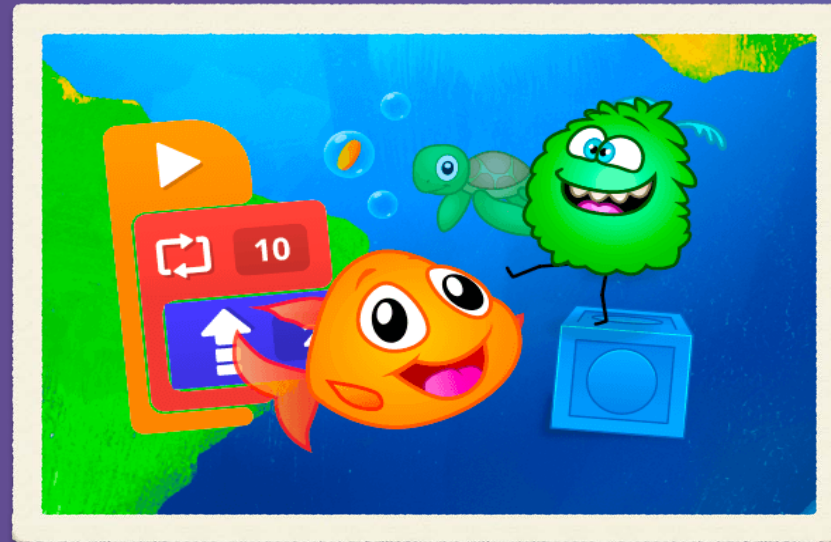
Tynker curriculum

Packages Available for 2023-2024 School Year

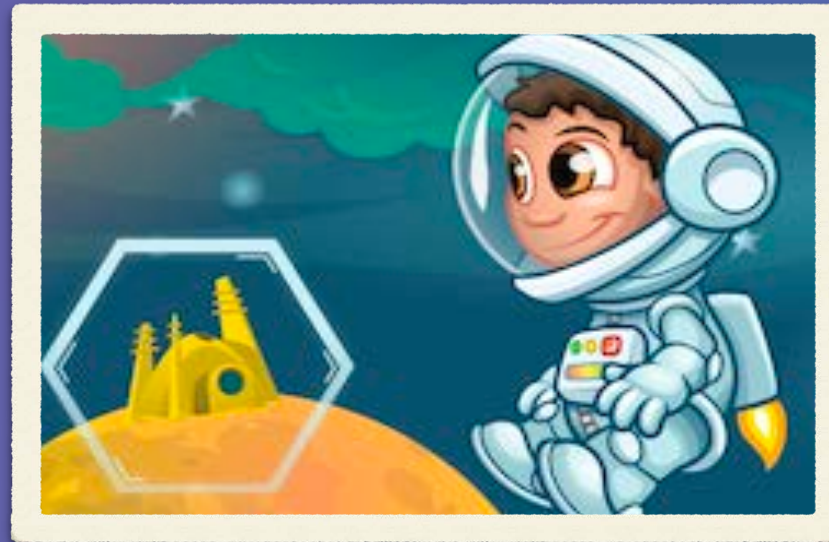
Course Name	Grade	Level	K-2 Code Prep	Elementary School	Middle School	K-8 School	High School	AP
10 Pre-reader Courses⁺⁺	K-2	Beginner	✓	✓		✓		
Space Cadet	K-2	Beginner	✓	✓		✓		
Dragon Spells	K-2	Intermediate	✓	✓		✓		
Programming 1A, 1B	K-2	Beginner	✓	✓		✓		
20 Digital Literacy Video Courses	K-5	Beginner		✓		✓		
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						✓

Scaffolded coding curriculum

200+
Lessons



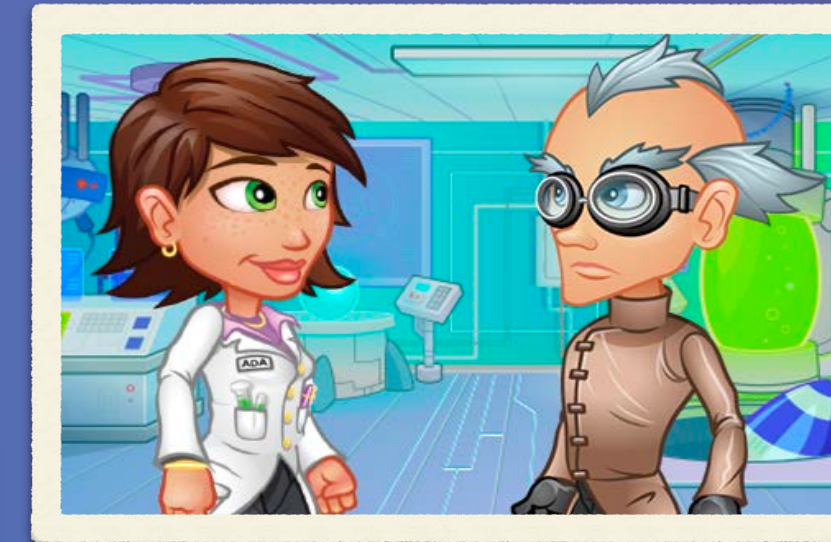
Pre-reader Pack



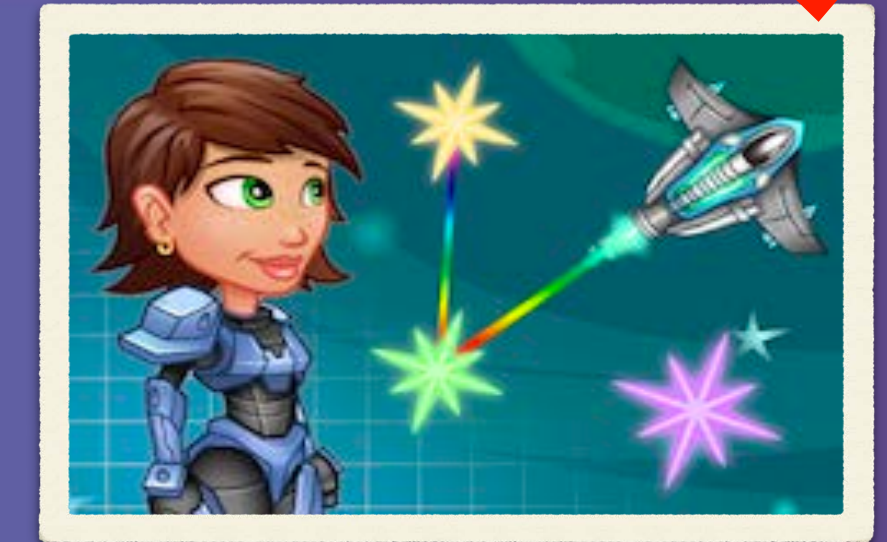
Programming 1A



Programming 1B



Programming 101



Programming 102



Programming 100



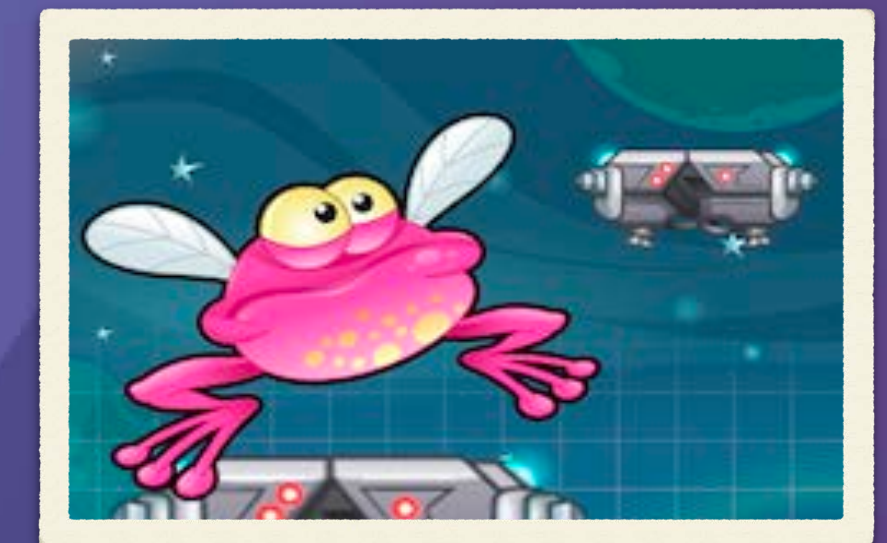
Programming 201



Programming 202



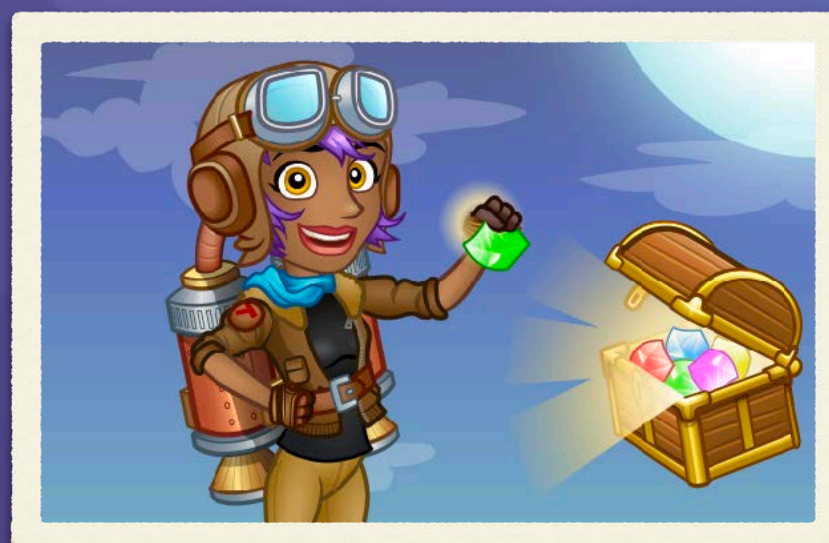
Programming 301



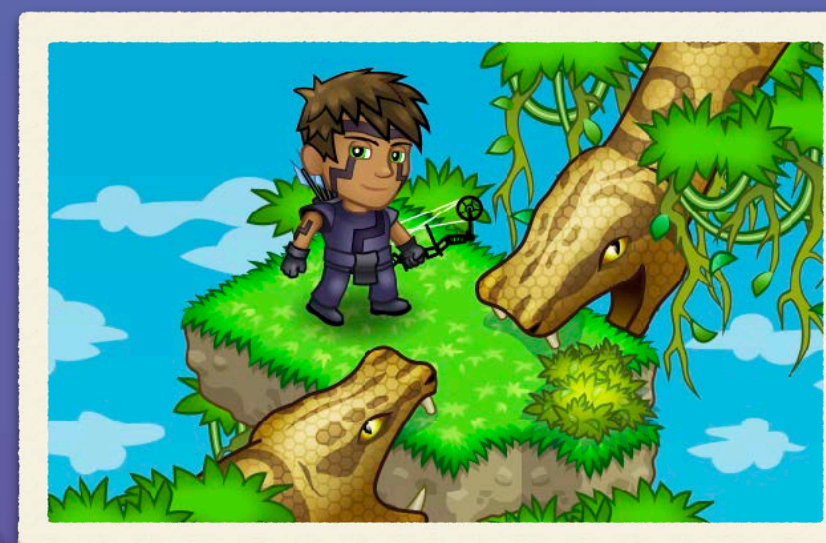
Programming 302



Programming 300



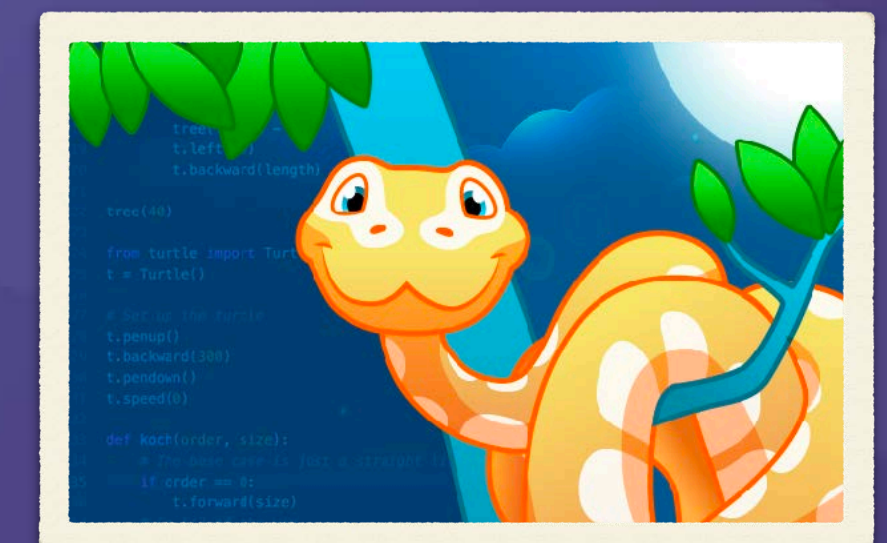
JavaScript 1



Python 1



Web Dev 1



Python 2

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

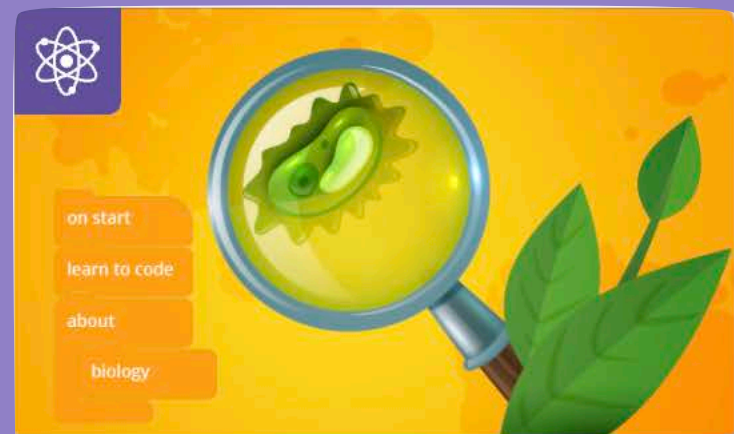
Evolution of Computers

Accessibility and Usability



STEM Coding Courses

200+
Lessons

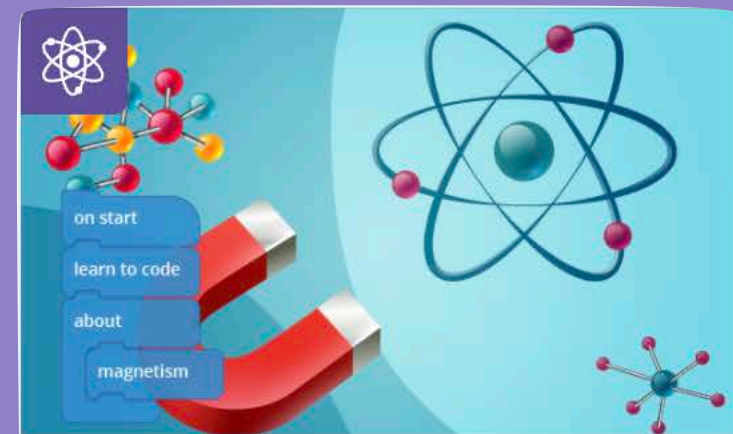


GRADES 3 - 5 Web iPad

Life Science 101

Beginner • 17 Lessons • 22 Activities

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

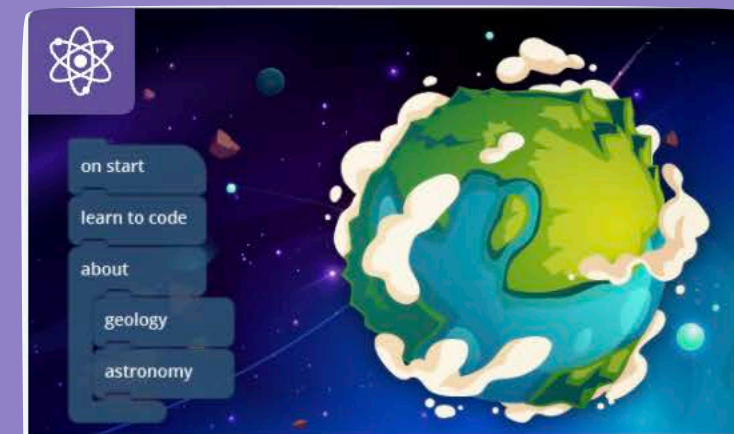


GRADES 3 - 5 Web iPad

Physical Science 101

Beginner • 14 Lessons • 20 Activities

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

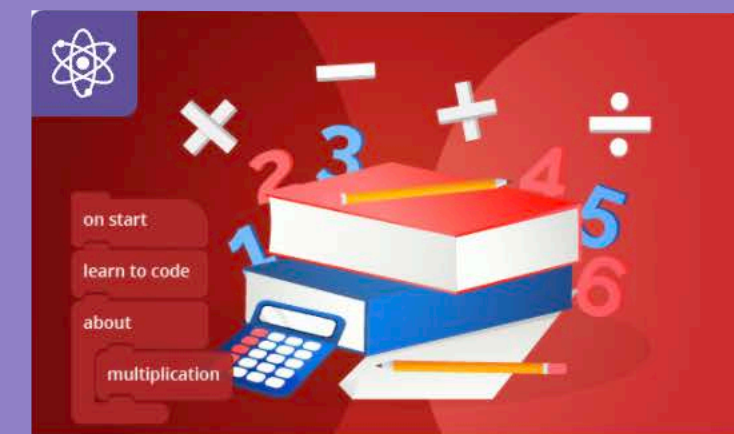


GRADES 3 - 5 Web iPad

Earth Science 101

Beginner • 20 Lessons • 20 Activities

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



GRADES 3 - 5 Web iPad

Math 101

Beginner • 24 Lessons • 50 Activities

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

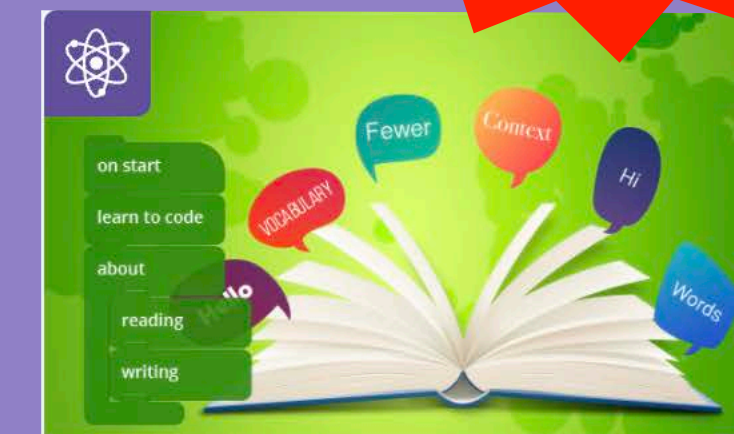


GRADES 3 - 5 Web iPad

Social Studies 101

Beginner • 12 Lessons • 28 Activities

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

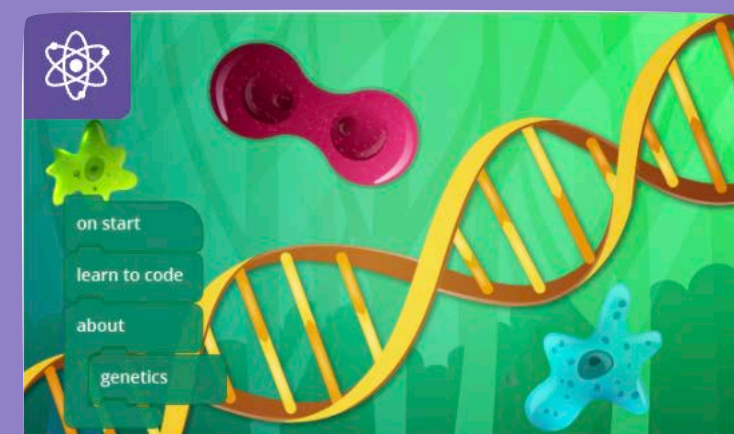


GRADES 3 - 5 Web iPad

English 101

Beginner • 15 Lessons • 30 Activities

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

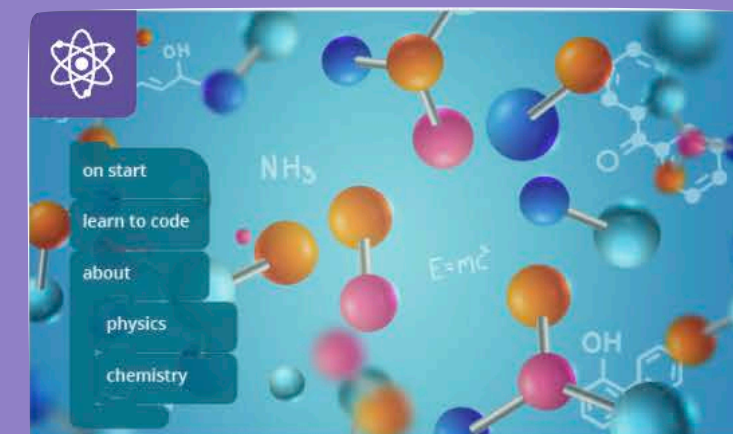


GRADES 6 - 8 Web iPad

Life Science 201

Intermediate • 31 Lessons • 22 Activities

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



GRADES 6 - 8 Web iPad

Physical Science 201

Intermediate • 23 Lessons • 22 Activities

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

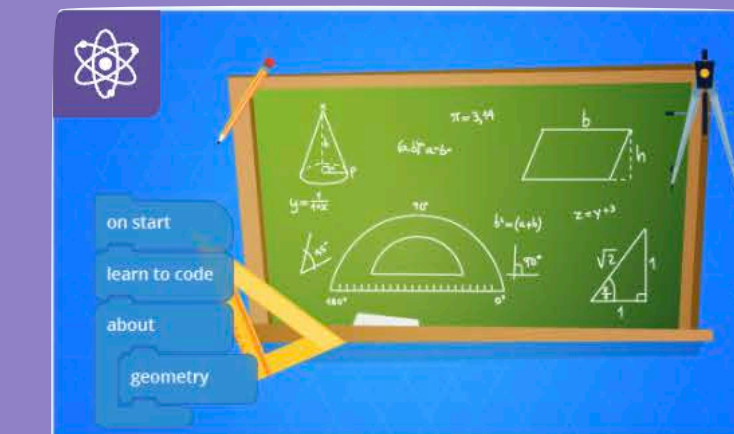


GRADES 6 - 8 Web iPad

Earth Science 201

Intermediate • 19 Lessons • 22 Activities

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



GRADES 6 - 8 Web iPad

Math 201

Intermediate • 11 Lessons • 22 Activities

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



GRADES 6 - 8 Web iPad

Social Studies 201

Intermediate • 17 Lessons • 22 Activities

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



GRADES 6 - 8 Web iPad

English 201

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

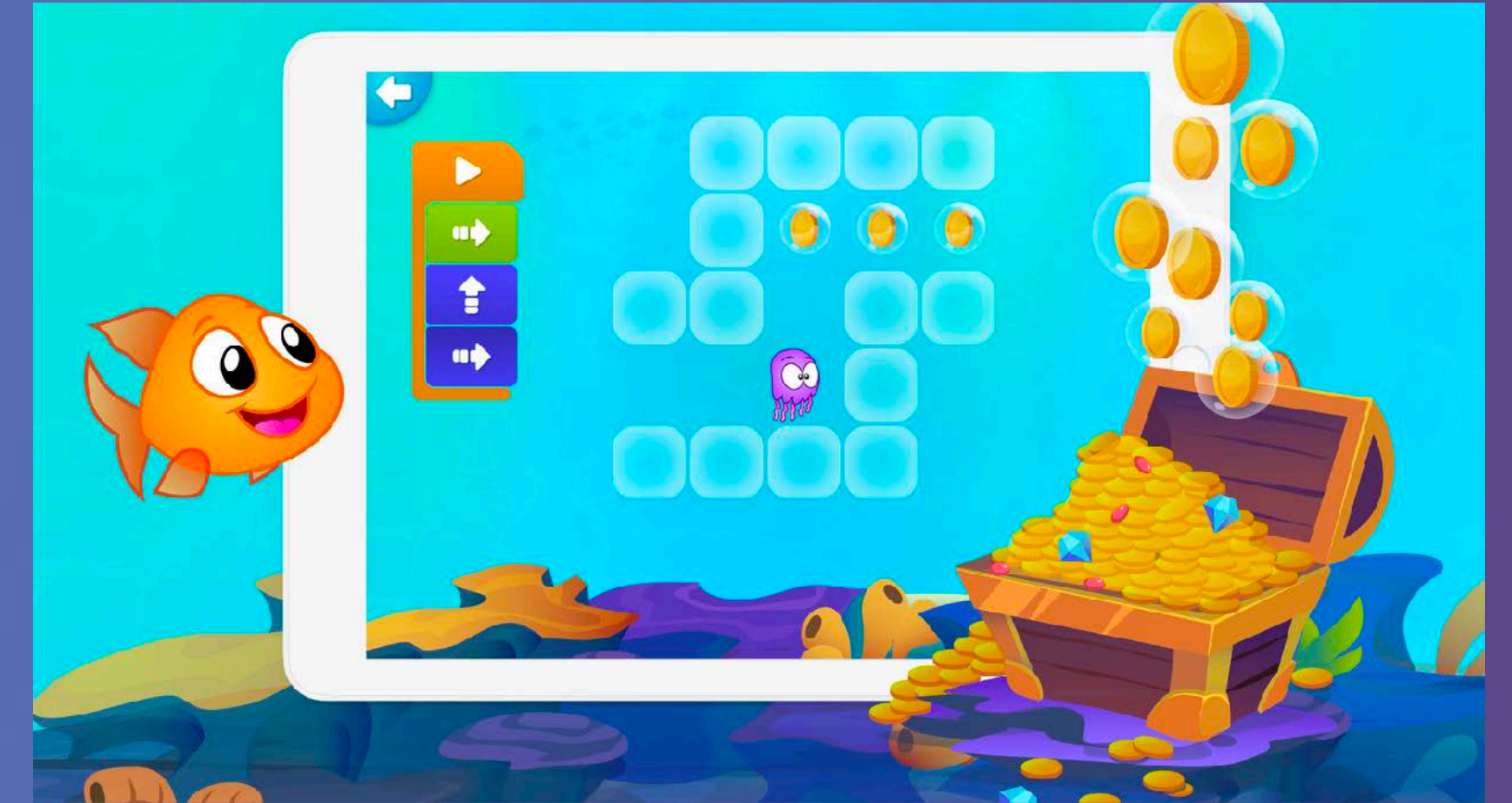
Mobile apps included with plans



Tynker Junior
Ages 4-6



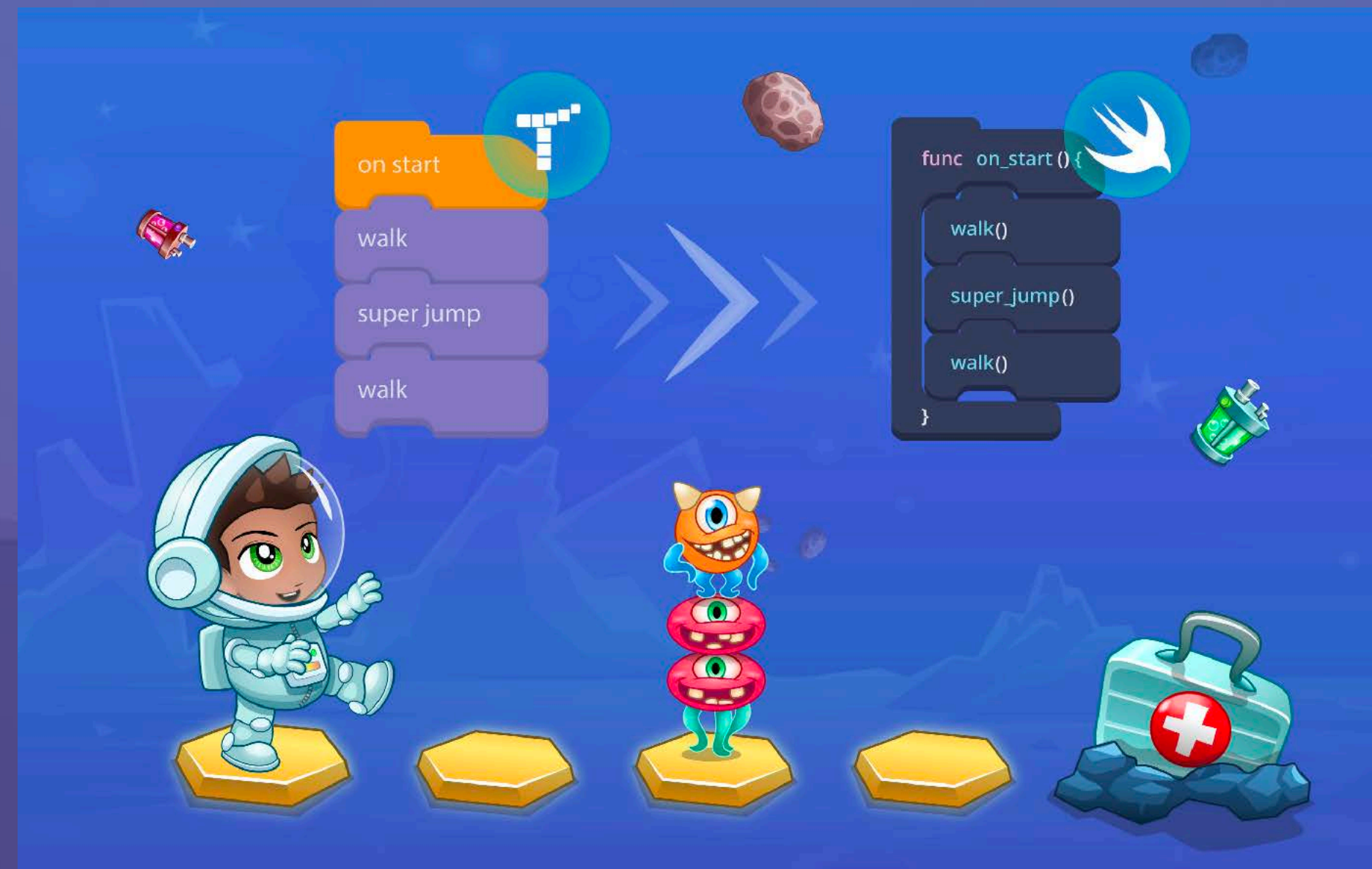
Tynker
Ages 7+



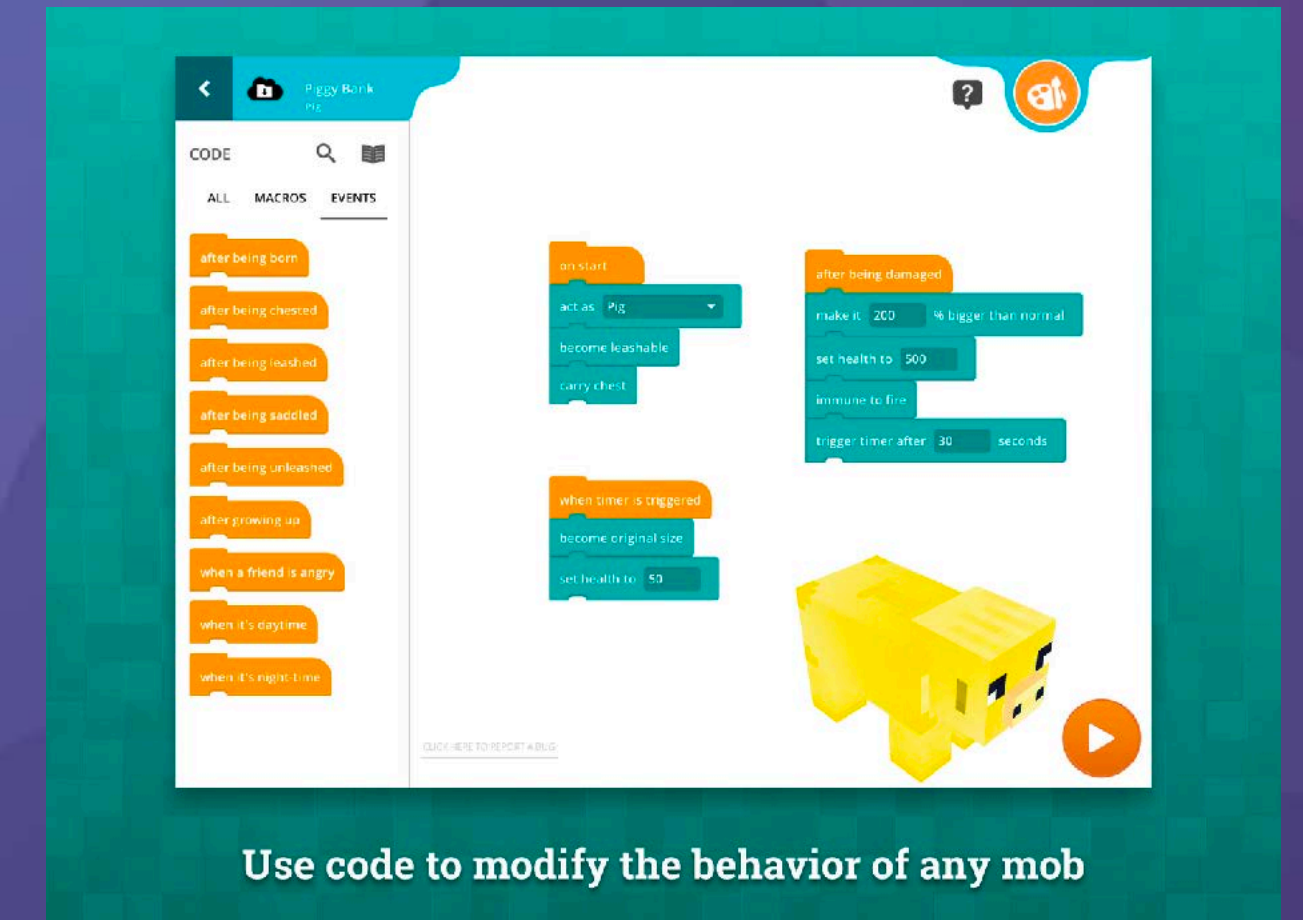
Use picture-coding, no words



Control drones and robots



Learn Block-coding and Swift



Use code to modify the behavior of any mob

Model 3D mobs and edit behaviors

Powerful tools save time and effort for educators

The screenshot displays the Tynker Educator Dashboard. On the left, a sidebar lists navigation options: MY CLASSES, CREATE, PROJECTS, COURSES, RESOURCES, and SIGN OUT. The main content area is divided into several sections:

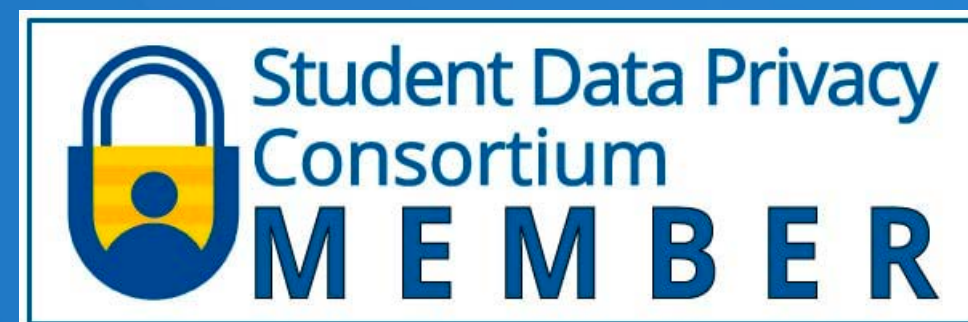
- Lesson Plan:** A list of lessons including "THE BASICS" (JavaScript), "LOOPS AND CONDITIONALS", "CONDITIONALS", and "GAME DEVELOPMENT".
- Lesson Completion:** A donut chart showing 68% completion for "Programming 1B".
- Certificates:** A list of student achievements, including Claudia Kelly (10 Projects), Dianne Maddox (5 Projects), and Jennifer Gordon (100 Lines of Code).
- Activity:** A list of recent student activities, such as Beverly Tucker taking a quiz and solving a problem.
- 945 Student Projects to Date:** A line graph showing the cumulative number of projects over time from Dec 2014 to Jul 2016.
- Total Projects & Lines of Code:** A table listing top students and their project counts and lines of code.

Student	Projects	Lines of Code
Priscilla Hanson	60	3907
Sue Stevenson	39	2783
Christopher Nelson	33	1322
Leah Dotson	33	2017
Dave Rocha	31	345
Georgia Myers	30	386
Olga Peck	29	406
Virginia Collins	23	278
Laura Stein	21	653

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.

Teachers can get started in minutes!



Google Classroom



ClassLink



CANVAS

Clever



Microsoft

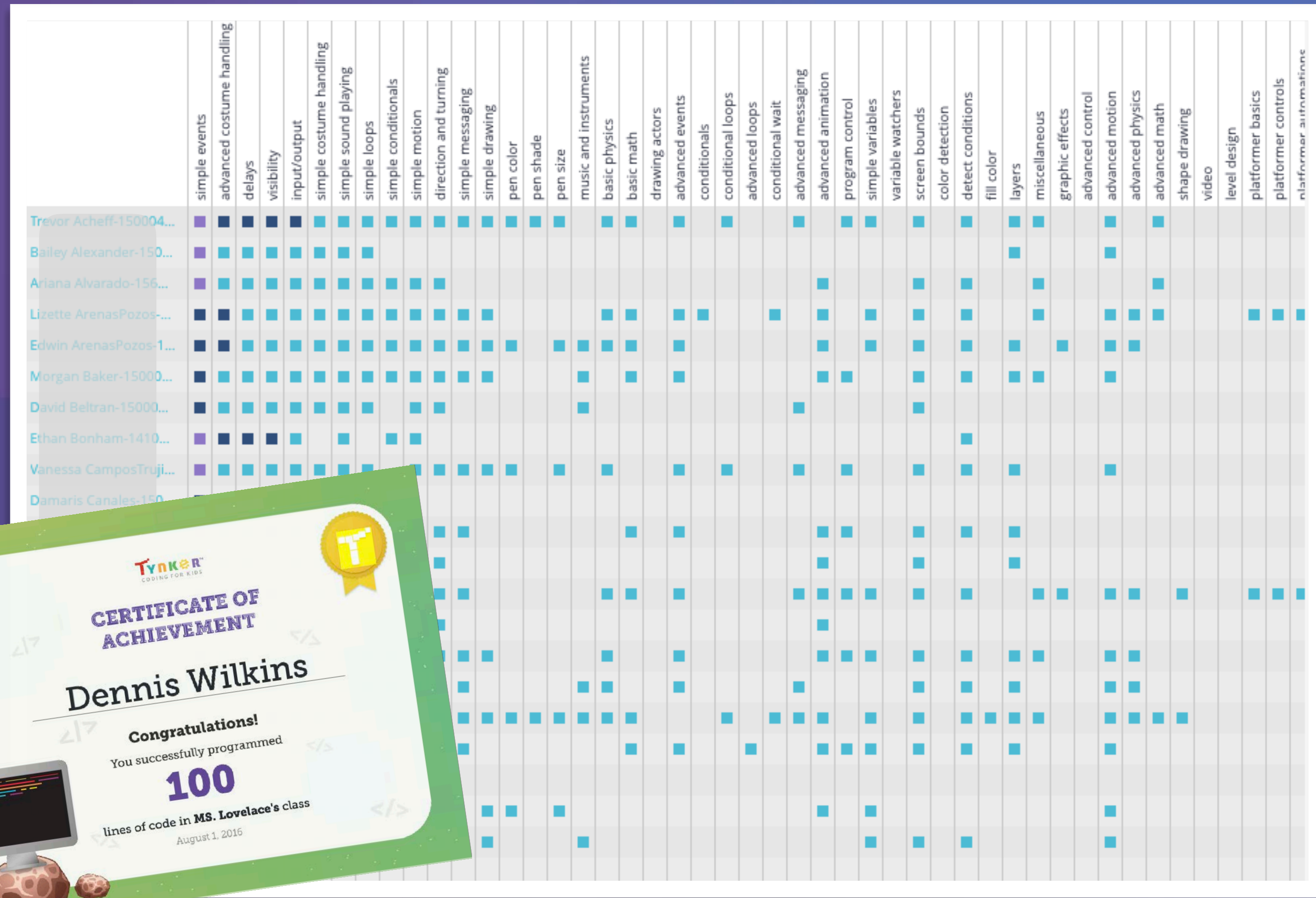


Apple



- ✓ 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 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

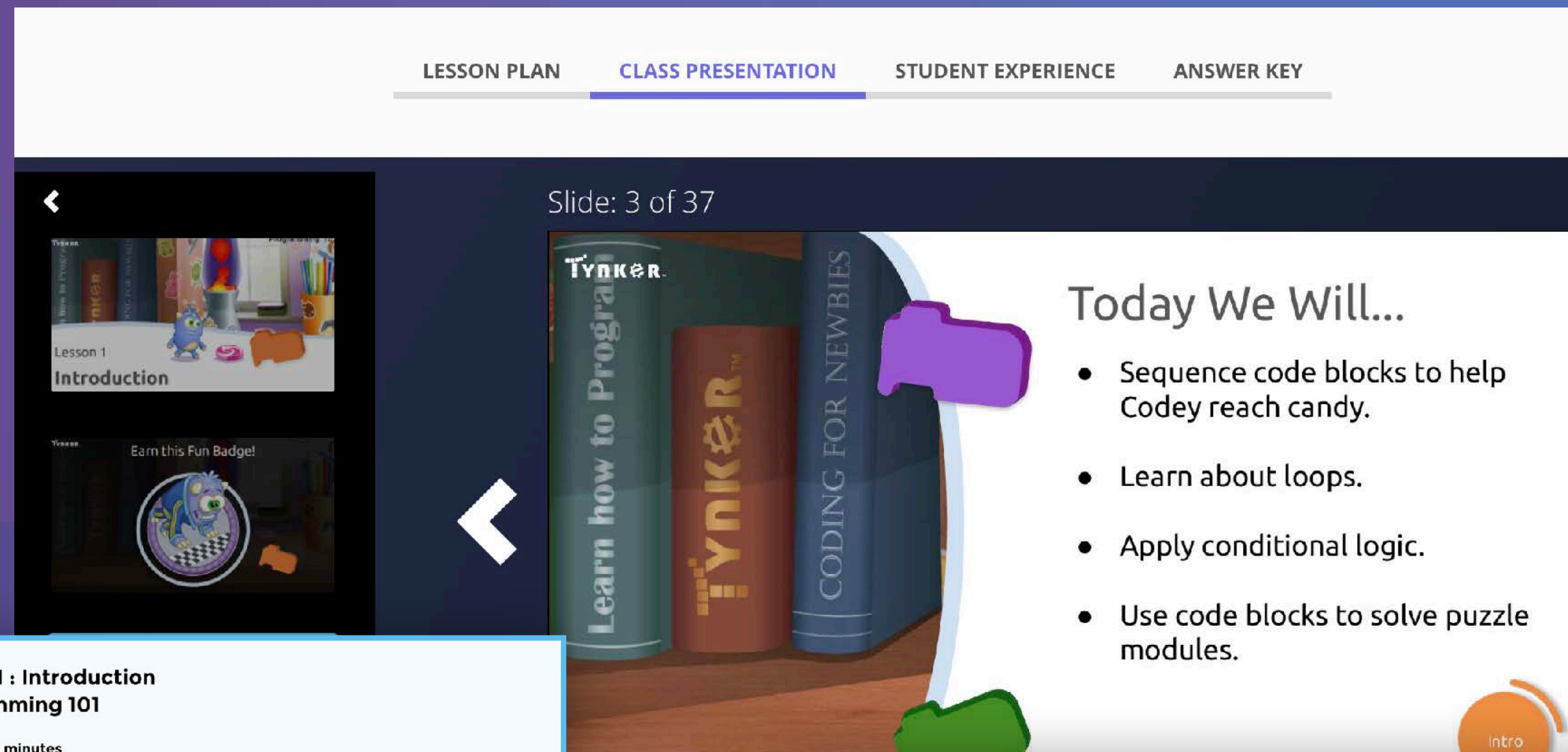
✓ Lesson notes

✓ Standards

✓ Automatic assessments

LESSON PLAN CLASS PRESENTATION STUDENT EXPERIENCE ANSWER KEY

Slide: 3 of 37



Today We Will...

- Sequence code blocks to help Codey reach candy.
- Learn about loops.
- Apply conditional logic.
- Use code blocks to solve puzzle modules.

Lesson 1: Introduction Programming 101

⌚ Time: 60+ minutes

Introduction

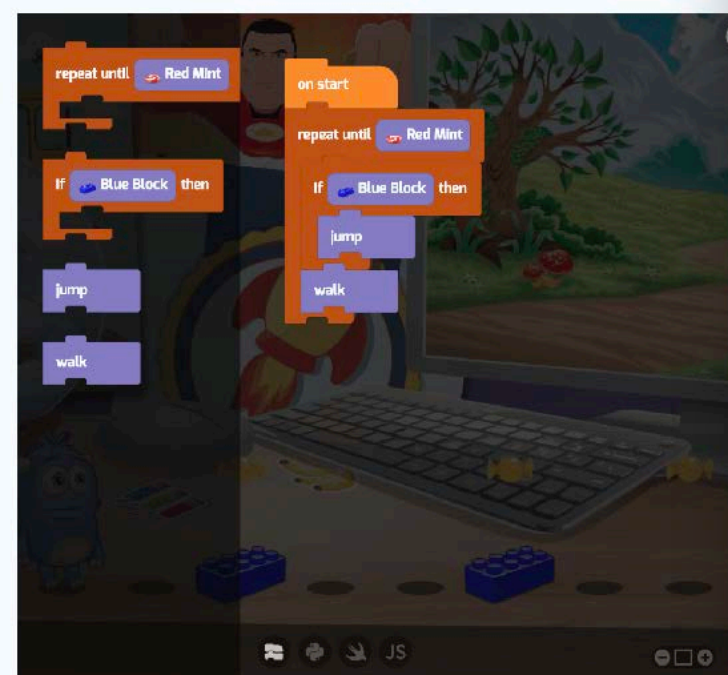
Welcome to Programming 101, a course for beginner coders! In this lesson, students are introduced to coding by solving fun puzzles. By the end of this lesson, students will have used coding concepts such as simple commands, loops, conditional loops, and conditionals to help a friendly monster collect candy!

Note: The teacher dashboard displays 6 Conditional Loops, Using "Not" in Loops

Tynker Blocks Introduced

- on start
- walk
- jump

Module 10: Conditionals



U.S. Standards

- **CCSS-Math:** 3.NBT.A.2, MP.1
- **CCSS-ELA:** RF.3.4.A, RF.4.4.A
- **CSTA:** 1B-AP-10, 1B-AP-11, 1B-AP-15
- **CS CA:** 3-5.AP.12, 3-5.AP.13, 3-5.AP.17
- **ISTE:** 1.c, 1.d, 4.d, 5.c, 5.d, 7.c

U.K. Standards

Key stage 2

Pupils should be taught to:

- design, write and debug programs that accomplish specific goals, including controlling problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various
- use logical reasoning to explain how some simple algorithms work and to detect and

Standards alignment



- ✓ CSTA
- ✓ ISTE
- ✓ AP CSA, AP CSP
- ✓ CCSS ELA and Math
- ✓ NGSS
- ✓ UK Standards
- ✓ US State CS Standards provided on request

Tynker School Plans (Page 1 of 2)

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 School Plans (Page 2 of 2)

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

