



“Learning Digital Technology
Together”





**Ako is a Maori word that means "co-learning"
or "to learn together."**

At AkoTech, we believe that learning & keeping up with rapid pace of technology is a collaborative process and that everyone has something to contribute. That's why we have adopted the principle of 'ako' as the foundation of our company.

Our programs are designed to be interactive and hands-on, encouraging students to learn by doing and by working together. We believe that this co-learning approach is the most effective way to engage young minds and spark a love of learning.

Through our ako-centered approach, we strive to create a supportive, inclusive and collaborative environment where students & teachers can feel comfortable taking risks, trying new things, and asking questions. We believe that by fostering a culture of co-learning, we can help our students and teachers develop the skills and confidence they need to become the tech leaders of tomorrow.



Ako<∞>Tech

CODECAMP



After School Programs



AkoVerse

Beta 1.0

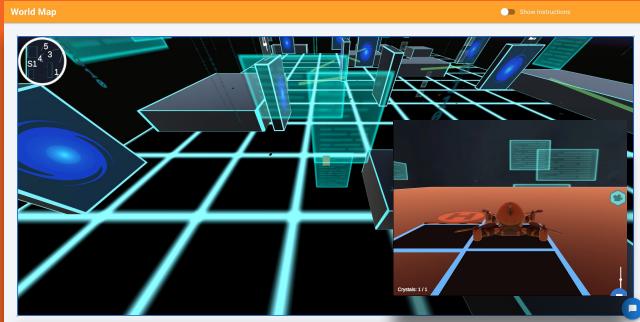


3D Gaming, Ai & Coding
Robotics Platform

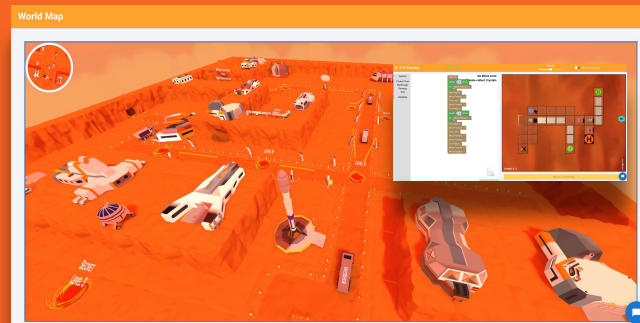


AkoVerse

The AkoVerse Journey



1. NEON MATRIX



3. MARS EXPLORATION



12 Missions

120 Challenges



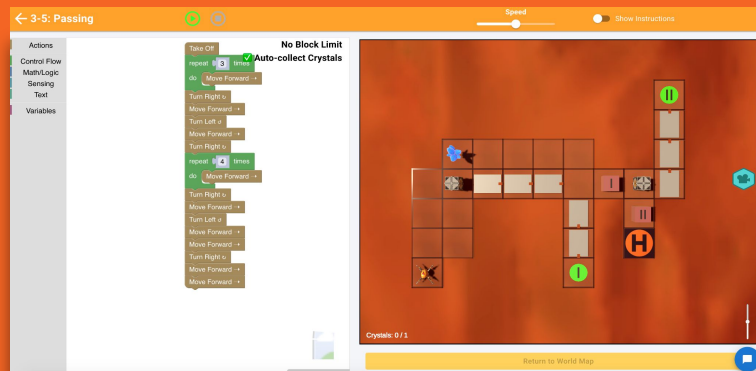
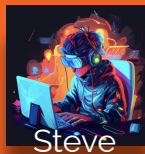
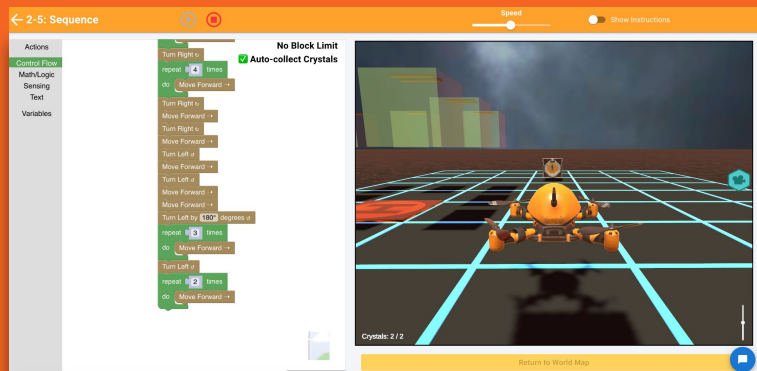
2. SPACE STATION



4. DEEP OCEAN MARS

AkoVerse

Escape Rooms For Problem Solving



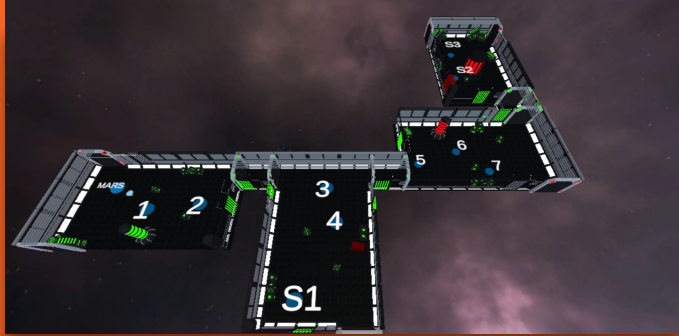
**10 Challenges
Per World**



**120+ Total
Challenges**

AkoVerse

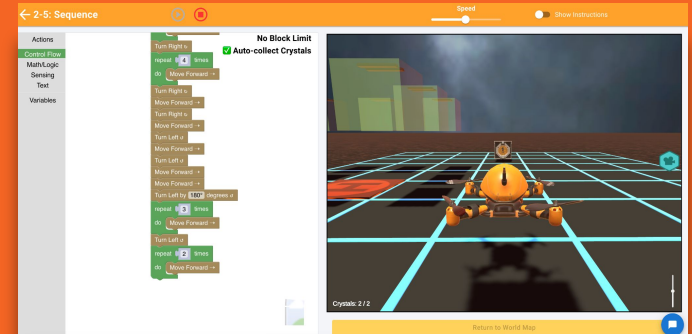
Secret Levels & Stretch Challenges



Advanced students
can unlock stretch
challenges

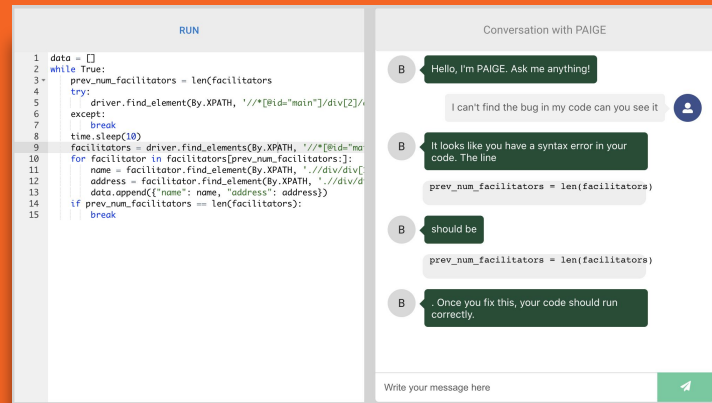
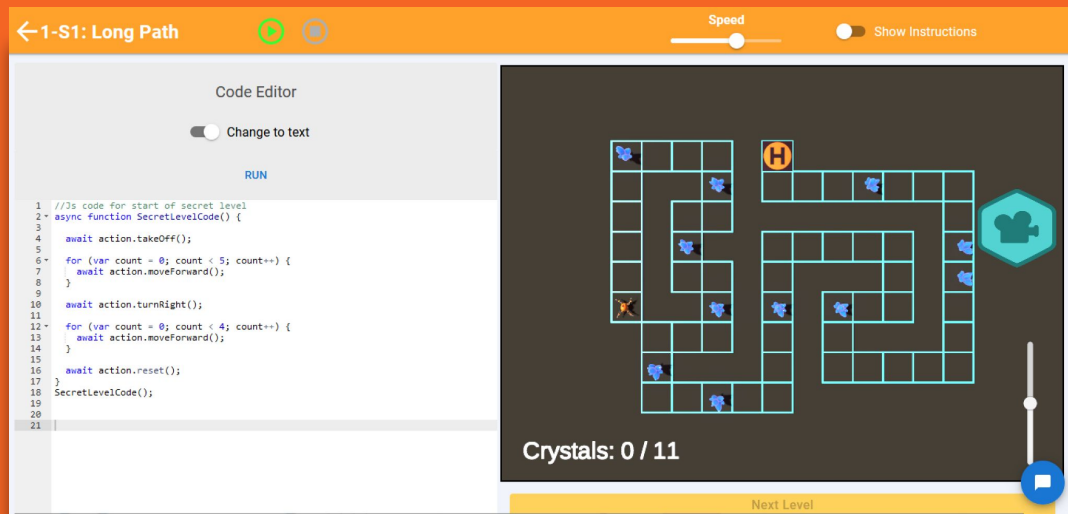


3 Secret Challenges
Per World

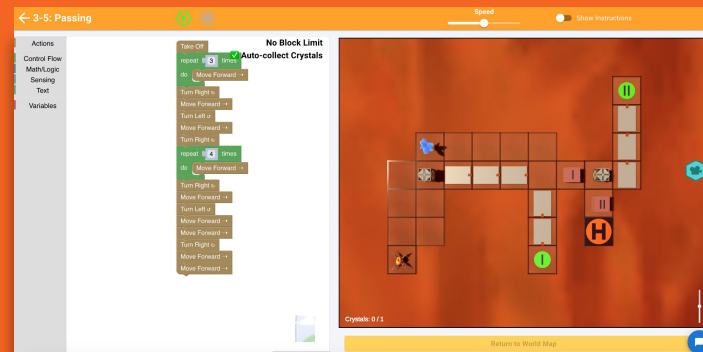


AkoVerse

Block or Text Coding



Self-Guided & Self
Marked For Teachers



AkoVerse

Navigating The AkoVerse with P.A.I.G.E Assistant

Ako with PAIGE

PAIGE is your personalised learning assistant, ask her anything about coding. She can even help you debug your code. Learn how to teach PAIGE!



PAIGE can debug & explain code in a child-like manner

Conversation with PAIGE

B Hello, I'm PAIGE. Ask me anything!

I can't find the bug in my code can you see it

B It looks like you have a syntax error in your code. The line

```
prev_num_facilitators = len(facilitators)
```

B should be

```
prev_num_facilitators = len(facilitators)
```

B . Once you fix this, your code should run correctly.

Write your message here

Conversation with PAIGE

B This code is used to scrape data from a website. It uses a while loop to continuously search for elements on the page, and then appends the data it finds to a list. The variables used in this code are "data", "prev_num_facilitators", "facilitators", "driver", "name", and "address".

Can you explain it to a 6 year old

B Sure! This code is like a robot that looks for information on a website. It looks for names and addresses, and then stores them in a list so that we can use them later.

Write your message here

AkoVerse

Navigating The AkoVerse with P.A.I.G.E Assistant

Conversation with PAIGE

B Hello, I'm PAIGE. Ask me anything!

How can I use coding to explain Fractions, decimals, and percentages. I am in year 6. Can you give me an example using scratch

B Sure! Let's use Scratch to explain fractions, decimals, and percentages. We can create a program that will ask the user to enter a fraction, decimal, or percentage and then convert it to the other two. For example, if the user enters a fraction, the program will convert it to a decimal and percentage. Here's an example of the code we could use:

```
// Ask the user to enter a fraction, decimal, or percentage
say "Please enter a fraction, decimal, or percentage:"

// Store the user's input in a variable
set [input v] to (answer)

// Check if the user entered a fraction
if <(input) contains "1/"> then
  // Convert the fraction to a decimal
  set [decimal v] to (((item 1 of (split (input) "/")) / (item 2 of (s
```

```
// Check if the user entered a decimal
else
  // Convert the decimal to a fraction
  set [fraction v] to (((item 1 of (split (input) ".")) / (item 2 of (split (input) "."))) * 100)
  // Convert the decimal to a percentage
  set [percentage v] to (fraction)

// Output the results
say "The decimal is equivalent to (fraction) or (percentage)%"
```

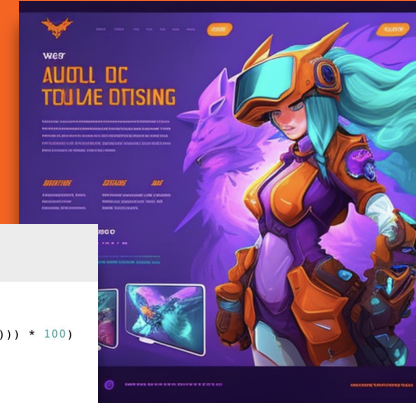
B I hope this helps!

Why would I use percentages?

B Percentages are a useful way to compare different values. For example, if you wanted to compare the population of two different cities, you could use percentages to show the relative size of each city's population. Percentages can also be used to compare different parts of a whole, such as the percentage of people who voted in an election.

Write your message here

Use PAIGE to generate ideas



PAIGE helps you understand coding and what you can use it for in other areas

HOTSkills

Empower Your Students with

Future Critical Higher Order Thinking Skill-Sets

Computational & Critical Thinking Skills

NZDT PO1, PO2, PO3, PO4.5

- Algorithms & Problem Solving
- Decomposition & Debugging
- Sequencing
- Loops
- Conditional Logic
- Binary & Data Storage

We are currently mapping coding to other disciplines:

MATHS, SCIENCE, ART, SOCIAL SCIENCES

Mapped to NZDT Curriculum



AkoVerse

Monitor Students Progress

3-6: Reflect and Think

Answer the questions below, then click "Submit Answers" to finish the quiz

The past puzzles have challenged you in a multitude of ways. How have they? And what use is it? And maybe a refresh on what is D.A.D.

1. What is the process of fixing mistakes in code?

- ☐ Decomposition
- ☐ Debugging
- ☐ Algorithms

2. What have made through the sequence of instructions

- ☐ Decomposition
- ☐ Debugging
- ☐ Algorithms

3. Breaking down problems to smaller ones is

- ☐ Decomposition
- ☐ Debugging
- ☐ Algorithms

4. Do professional developers and programmers use D.A.D.

- ☐ Yes

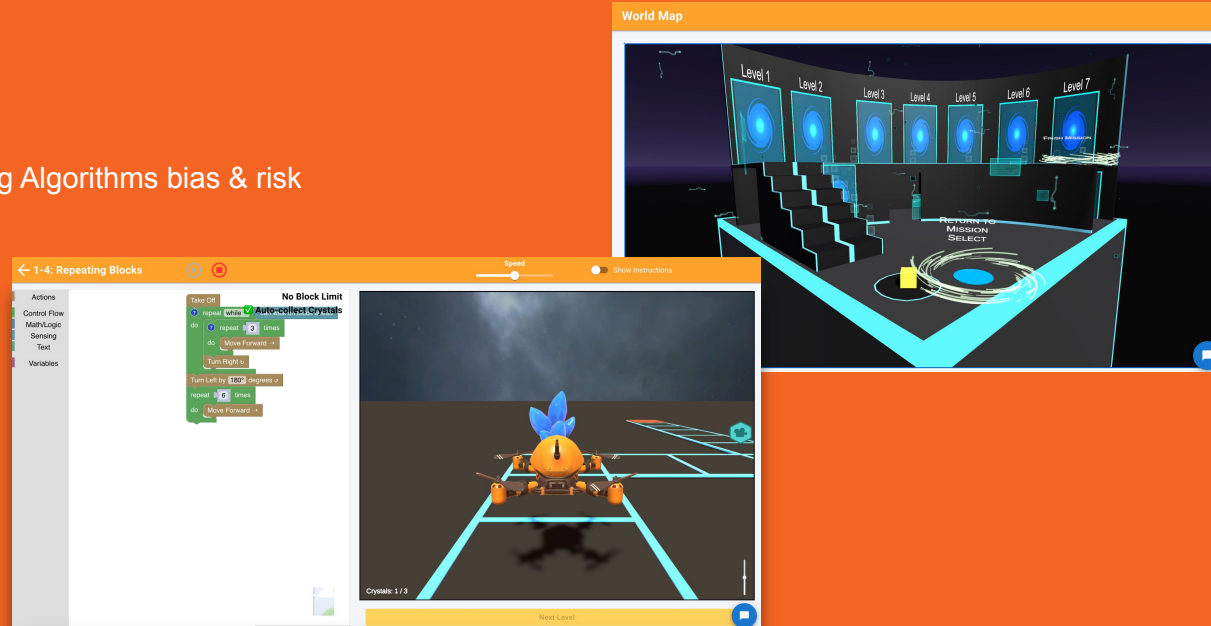
Comprehensive Quizzes Based On NZDT Progress Outcomes



AkoVerse

Features & Benefits Of Coding & Learning Ai

1. Logical & Conditional Thinking
2. Problem Solving
3. Computational Thinking
4. Critical Thinking
5. Critical Algorithmic Thinking - Critiquing Algorithms bias & risk
6. Ai Prompt Engineering



AkoVerse

- Fully functional Teachers Dashboard
- Solutions Provided
- Monitor Students Progress
- Compile end of term reports
- Mapped to NZDT PO1-PO4.5 (Yrs 1 - 10)
- Self Guided & Self Marked
- Gamified Learning
- Bulk Upload Students
- Create Classes
- Invite Assistant Teachers
- Locally Supported
- PAIGE Ai assistant - Answers any coding questions
- Parent Reporting
- Critical AI - Critiquing algorithms bias & risk
- Progress Measurements & Reporting For Parents
- MOE PLD Accredited

Browser access - No downloads required

Teachers & Parents Dashboard

The dashboard interface includes a top navigation bar with links for Home, My Account, Licenses, and Contact Us. The main content area is divided into several sections:

- Back to Dashboard:** A button to return to the main dashboard.
- Hi Peter Duncan Achievements:** A section showing the user's profile and achievements.
- My Courses:** A section listing the user's current courses.
- Add Student:** A form to add a new student, including a dropdown for School (St Mark's Church School [Mt Victoria]) and buttons for Individual and Multiple student addition.
- Import Students:** A section with instructions on how to import students from a CSV file, including a sample spreadsheet format.
- Course Progress:** A section showing the progress of a specific course, including a progress bar and a progress report.
- Student List:** A table listing all students in the system, with columns for Name, School, Email, and DOB. Each row has buttons for View Course, Remove Student, and Email Sign-in Link.

Name	School	Email	DOB
John Doe	St Mark's Church School [Mt Victoria]	john.doe@gmail.com	11-Feb-04
Fred Flintstone	St Mark's Church School [Mt Victoria]	fred.flintstone@gmail.com	28-Oct-95
Brian Miller	St Mark's Church School [Mt Victoria]	brian.miller@gmail.com	18-Dec-94
Phil Larkin	St Mark's Church School [Mt Victoria]	phil.larkin@gmail.com	1-Jan-12
James Larkin	St Mark's Church School [Mt Victoria]	james.larkin@gmail.com	1-Jan-12

AkoVerse

- Saving Costs on Expensive Robotic Equipment & Maintenance
- Teacher PLD Reporting
- Teacher PLD Support & Training
- Classroom Management Support
- Student Progress Reports
- Students Tracking & Reporting
- Staff Efficiency

Solving Problems For Principals

The screenshot displays the AkoVerse web application interface. The top navigation bar includes links for Home, My Account, Licenses, and Contact Us. The main content area is divided into several sections:

- Hi Peter Duncan Achievements:** A section showing a user profile and achievements.
- My Courses:** A section listing courses, including "St Mark's Term 123 - Thursday 3:15-4:45pm".
- Progress Report:** A section showing progress reports for various courses, including "Digital Technologies" and "NZ Digital Tech Progress".
- Add Student:** A form for adding a new student, including a dropdown for "School" (St Mark's Church School [Mt Victoria]) and buttons for "Individual" and "Multiple".
- Import Students:** A section for importing students from a CSV file, with instructions on how to format the spreadsheet.

The "Import Students" section includes a table with the following data:

1	FirstName	LastName	Email	DOB
2	John	Doe	jd@hotmail.com	11-Feb-04
3	Fred	Plantstone	fg@gmail.com	28-Oct-95
4	Brian	Miller	bmiller@gmail.com	18-Dec-94
5	Phil	Larkin	phil@hotmail.com	1-Jan-12
6	James	Larkin	james@hotmail.com	1-Jan-12

The "Import Students" section also includes a button for "Upload .CSV".

The bottom section of the interface shows a table of students with columns for Name, School, Email, and DOB. Each row includes links for "View Courses", "Remove Student", and "Email Sign-in Link".

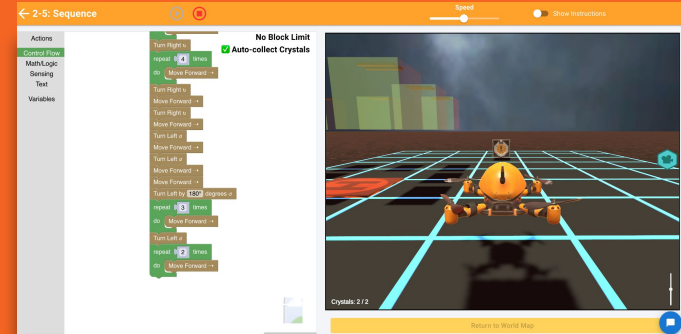
Browser access - No downloads required

AkoVerse

- Our past experience has shown us that buying and maintaining robotics can be an expensive exercise and our students are rough on them.
 - We believe that our students have just as much fun with our simulated environment as they do with the real thing.
- With our students reporting you are able to identify those with a natural pension towards robotics and coding and you will be able to direct them towards your own physical robotics program.
- We are also developing our own integrations with robotics providers such as Tello Drones.

Browser access - No downloads required

Save on Expensive Robotic Equipment



AkoVerse

Beta 1.0



Join PAIGE & Steve on
their journey across the
AkoVerse

Signup for a free trial at
www.akotech.nz/Educators

or Contact Peter@akotech.nz 021 713714

