

Kira Sneak Peek

Product and Content Updates

2024-25 School Year



Housekeeping Items

REC ●

Webinar is recorded



Slides available along with the recording



Enter your questions in the Q&A box

Facilitators



Rick Gaston
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◀ Agenda ▶

- Who is Kira Learning?
- New AI tools!
- Code editor updates
- More integrations!
- Practice Corner
- New courses!
- Pilot Kira in May!
- PD Summer Schedule



Kira Learning Team



Dr. Andrew Ng
Chairman

Chairman and
Co-Founder of Coursera,
Adjunct Professor
at **Stanford University**.



Andrea Pasinetti
CEO, Co-Founder

Founded and ran
one of China's
largest and most
impactful education
non-profit
organizations -
Teach For China.



Jagriti Agrawal
Co-Founder,
VP of AI

Developed
automation software for the
Mars 2020 rover
mission at NASA
JPL in the **Artificial Intelligence**
Group.



Sarah Stern
Dir. of Customer
Success



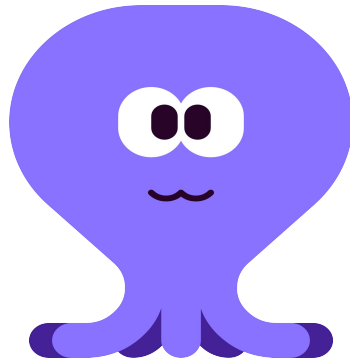
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◀ About **KIRA LEARNING** ▶

Kira Learning is an education technology company founded in 2021 with the aim of harnessing transformative AI technologies to make world-class teaching and learning accessible for everyone.



Kira in Use

Tennessee

Singapore

Maryland

Ohio

Togo

New York



Vietnam

Kira in Tennessee - Quick Highlights

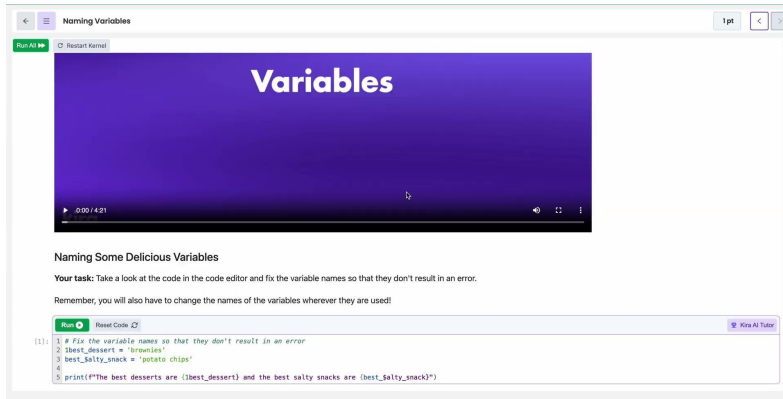
- Contracted by the state to design CS courses for middle and high schools to meet the requirements going into effect Fall 2024. Read more here: kira-learning.com/tennessee
- We currently offer one course for middle school and one for high school—they are completely aligned with state standards
- Access to Kira content, platform, and professional development is **FREE** for all districts, schools, teachers, and students in Tennessee

Kira Learning Product and Content Updates 2024-25

AI Tools

Aim: Develop AI tools to improve student learning and support teachers

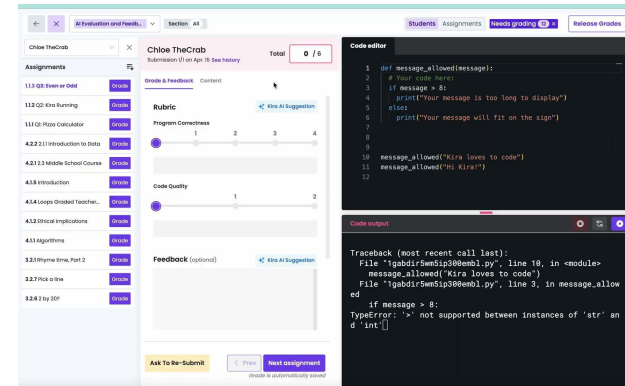
AI Tutor demo



The screenshot shows a web-based interface for an AI tutor. At the top, it says "Naming Variables". Below that is a video player with the title "Variables" and a progress bar at 0:00 / 4:31. Under the video, the text reads: "Naming Some Delicious Variables" and "Your task: Take a look at the code in the code editor and fix the variable names so that they don't result in an error. Remember, you will also have to change the names of the variables wherever they are used!". At the bottom, there is a code editor with the following Python code:

```
1 # Fix the variable names so that they don't result in an error
2 lbest_dessert = "brownies"
3 best_salty_snack = "potatoe chips"
4
5 print(f"The best desserts are {lbest_dessert} and the best salty snacks are {best_salty_snack}")
```

AI-Assisted Grading demo



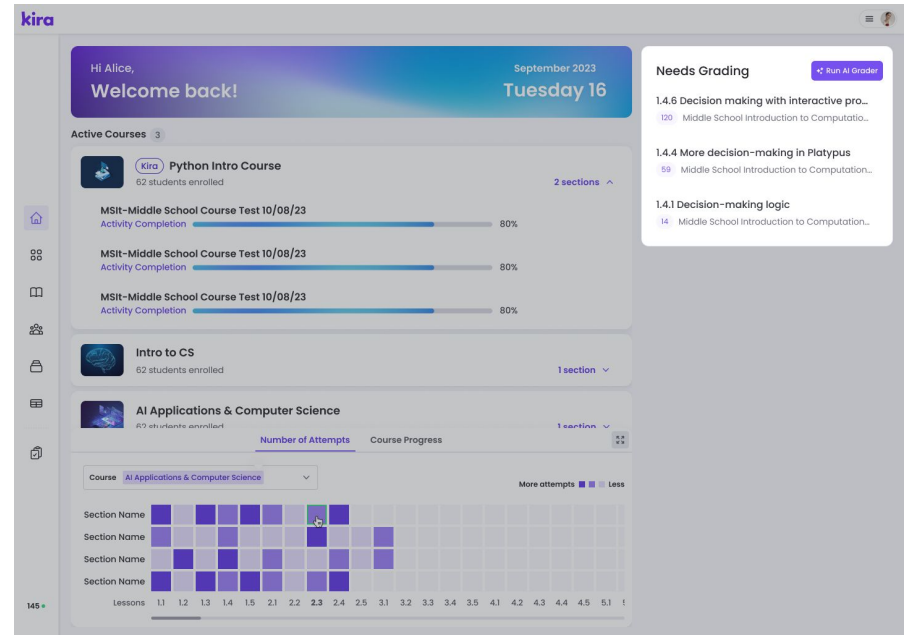
The screenshot shows a web-based interface for AI-assisted grading. On the left, there is a list of assignments for "Chloe TheCrab" with columns for "Assignments", "Grade & Feedback", and "Content". The assignments listed are: 1.1.3 QB: Even or Odd, 1.1.2 QB: Kira Running, 1.1.1 QB: Flow Calculator, 4.2.2.1 Introduction to Data, 4.2.1.3 Middle School Courses, 4.1.8 Introduction, 4.1.4 Loops Graded Teacher, 4.1.2 Ethical Implications, 4.1.1 Algorithms, 3.2.3 Rhyme Time, Part 2, 3.2.7 Pick a line, and 3.2.4.2 by SP. The "Total" score is 0 / 6. On the right, there is a "Code editor" showing Python code for a function named "message_allowed". The code is:

```
1 def message_allowed(message):
2     # Your code here
3     if message > 8:
4         print("Your message is too long to display")
5     else:
6         print("Your message will fit on the sign")
7
8
9
10 message_allowed("Kira loves to code")
11 message_allowed("Hi Kira!")
12
```

Below the code editor, there is a "Code output" section showing a "Traceback (most recent call last):" error message: "File 'igabdir5em5ip300em01.py', line 10, in <module> message_allowed('Kira loves to code') File 'igabdir5em5ip300em01.py', line 3, in message_allowed if message > 8: TypeError: > not supported between instances of 'str' and 'int'[]".

AI Tools

- **AI Tutor** - personalized sessions!
- **Batch grading** - grade your whole class at once!
- **Summary reports** - get a temperature check of your class in one click!



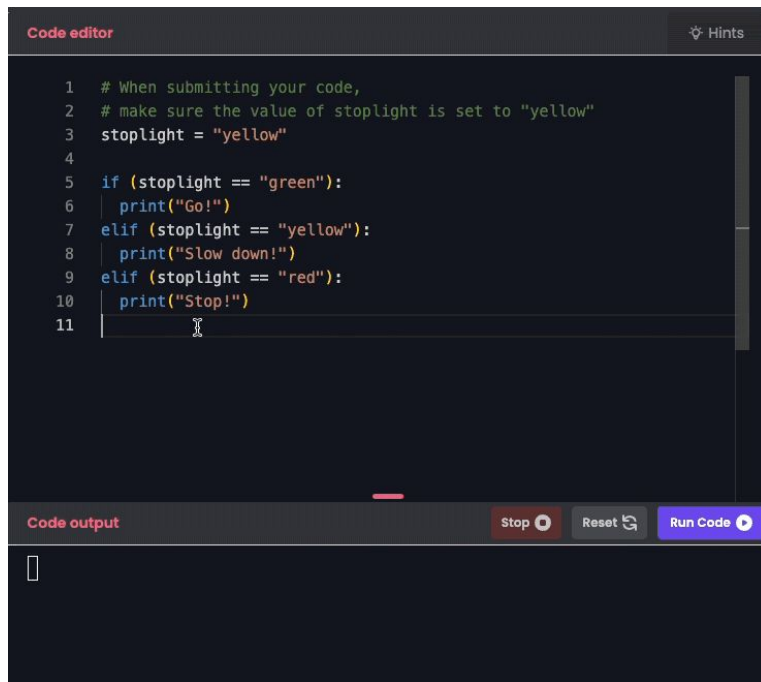
The screenshot shows the Kira dashboard interface. At the top, it says "Hi Alice, Welcome back!" and "September 2023 Tuesday 16". Below this, there are sections for "Active Courses". The first section is "Python Intro Course" with 62 students enrolled and 2 sections. It shows three "MSit-Middle School Course Test 10/08/23" with 80% activity completion. The second section is "Intro to CS" with 62 students enrolled and 1 section. The third section is "AI Applications & Computer Science" with 69 students enrolled and 1 section. Below this, there is a "Batch grading preview" table for the "AI Applications & Computer Science" course. The table has columns for "Lessons" (1.1 to 5.1) and rows for "Section Name". The cells are colored in shades of purple, indicating the progress of each section. A legend at the bottom right of the table shows "More attempts" in dark purple and "Less" in light purple.

Batch grading preview



Code Editor

- **Spell check for code** is live!
- **Multi-language support** (Java, JavaScript) - coming Fall 2024!
- **Multiple coding files** - coming Fall 2024!



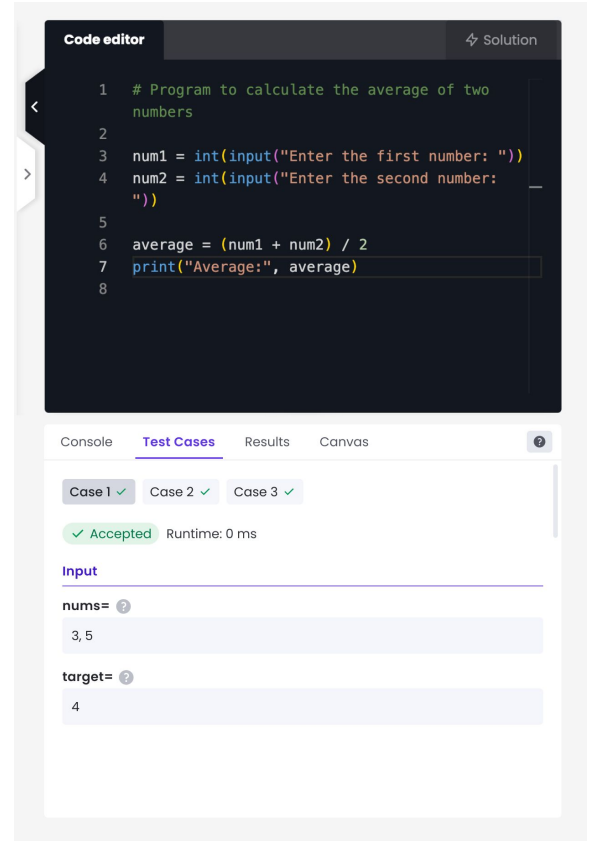
The screenshot shows a code editor window titled "Code editor" with a "Hints" icon in the top right. The code is written in Python and is as follows:

```
1 # When submitting your code,  
2 # make sure the value of stoplight is set to "yellow"  
3 stoplight = "yellow"  
4  
5 if (stoplight == "green"):  
6     print("Go!")  
7 elif (stoplight == "yellow"):  
8     print("Slow down!")  
9 elif (stoplight == "red"):  
10    print("Stop!")  
11
```

At the bottom of the editor, there is a "Code output" section which is currently empty. To the right of this section are three buttons: "Stop" with a power icon, "Reset" with a circular arrow icon, and "Run Code" with a play icon.

Practice Corner - Coming Fall 2024!

- We heard you tell us your students wanted more practice problems...you ask, we deliver! 🎉
- We've developed hundreds of practice problems for Kira courses 🎉



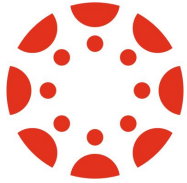
The screenshot shows a code editor window titled "Code editor" with a "Solution" icon. The code is as follows:

```
1 # Program to calculate the average of two
  numbers
2
3 num1 = int(input("Enter the first number: "))
4 num2 = int(input("Enter the second number:
  "))
5
6 average = (num1 + num2) / 2
7 print("Average:", average)
8
```

Below the code editor, there are tabs for "Console", "Test Cases", "Results", and "Canvas". The "Test Cases" tab is active, showing three cases: "Case 1 ✓", "Case 2 ✓", and "Case 3 ✓". A green checkmark and the text "Accepted Runtime: 0 ms" are displayed. The input fields are labeled "nums=" and "target=" with question marks. The input for "nums=" is "3, 5" and the input for "target=" is "4".

Integrations

2024-25 School Year



Canvas LTI 1.3



Schoolology LTI 1.3



Google SSO



ClassLink



Clever



Google Classroom

Highlight: Sneak Peek Course

- Two full lessons each from 3 courses
 - Intro to Computational Thinking and Programming (MS)
 - Iteration Using While Loops, Data Collection and Analysis
 - Intro to CS - Python (HS)
 - Variables, Fun with Functions
 - AI Applications and Methods
 - Making Your First AI Application, Fantastic World of Neural Networks
- Curriculum guides, lesson guides, Kira AI Tutor
- Invite your students

Kira

Hi there, I'm Kira! I'm here to give you guidance based on what you have tried so far. Remember, even if you aren't exactly sure what to do, it's always good to give things a try and see what happens! That's a big part of coding. Do you need some guidance on this problem?

Yes, I'd like some guidance.

Kira

Great start! You've got the basic code down. Now, let's make it more interesting. Try changing some of the numbers in the 'temp' and 'sales' lists. This will change how your graph looks. Remember to keep each number separated by a comma. After you've made some changes, run your code again to see what happens!

That was helpful!

That was not helpful.

The screenshot shows the Kira AI Tutor interface for a challenge titled "1.8.5 Challenge World: Hug the Spiral". The interface is divided into several sections:

- Instructions:** A text box on the left provides instructions for moving the platypus and picking up items. It lists commands like "turn_left()", "turn_right()", "swim()", and "pick_up('crab')".
- Code editor:** A central area with a code editor showing Python code. The code is as follows:

```
1 while not (front_is_land() and
right_is_land()):
2 while front_is_water():
3 swim()
4 if right_is_water():
5 turn_right()
6 pick_up("crab")
```
- Visual output:** A grid-based world on the right. The platypus is a red character on a blue grid. The world contains various items like eggs, crabs, and water. The code editor has a yellow highlight on line 3.
- Console:** A console area at the bottom right for output.
- Navigation:** Buttons for "Add to code editor", "Highlight lines when running", and "Visual output" are visible.

New Kira Courses

- **Artificial Intelligence (AI) : Applications and Methods**
- Available now!

- **AP CS Principles (APCSP)** - Available now!

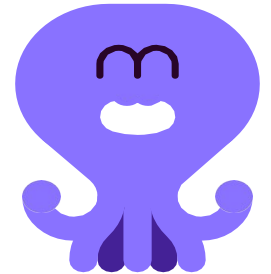


- Endorsed by College Board
- PD session in CS Accelerator Week in Murfreesboro July 8-11

- **APCSA Review (Java)** - Available now!
 - Works well for self-paced independent learning

- Full **APCSA (Java)** - In development

- **Web Development** - In development



NEXT STEPS

Pilot Kira this May!

Who: Middle School Teachers

What: Pilot the updated version of our middle school course ahead of next school year—get familiar with it and have a chance to provide critical feedback to our product team

When: May 6-24—post-TCAP and before end of year

How to join: Register here: info.kira-learning.com/may-2024-ms-pilot. You will receive:

- Special resources to support you during this period
- Invitations to give feedback to our product team
- Special prizes!

Teachers

- 1 Create an account at: kira-learning.org/register/
- 2 Join our Facebook professional community at: facebook.com/groups/kirateachers
- 3 Visit our Tennessee Educator Hub: kira-learning.com/tennessee



Tennessee Educator Hub

Find information on:

- Kira's special relationship with Tennessee
- Testimonials
- Links to our resources: webinars, Facebook group, PD sessions

kira

Create a free account

kira + tsin

Kira Learning in Tennessee

Tennessee STEM Innovation Network (TSIN) and Kira Learning have partnered up to develop standards-aligned courses specifically for Tennessee teachers and students that meet the Tennessee Department of Education's new CS graduation requirement.

The best part? Kira is **free** for all Tennessee teachers to use! Sign up below to start exploring Kira's content.

[Create an account →](#)

From our Tennessee teachers and partners

“Exposure to computer science cannot be overstated for this generation of learners. That's why the State of Tennessee made it a requirement for middle and high school students to study CS.”

“Partnering with Kira to support Computer Science Initiatives in Tennessee has been an incredible experience. The Kira Learning Team's dedication to continuous improvement is commendable!”

“Kira Learning has helped me [teach] computer science by providing quality lessons that are easy to integrate into my classroom! I appreciate that the content updates based on real teacher feedback.”

District + School Leaders

Need support in figuring out what a district or school-wide implementation could look like for your districts and schools, including integration needs?

Would you like to learn more about Kira's professional development opportunities this summer to support your teachers' adoption of the Kira Learning courses?

BOOK A MEETING WITH US



Cristina Herndon
Sr. Customer Success Manager
Western Tennessee

meetings.hubspot.com/cristina-herndon



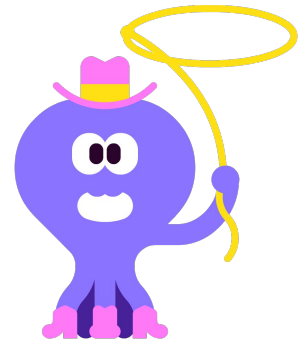
Molly Mulhern
Customer Success Manager
Eastern Tennessee

meetings.hubspot.com/molly-mulhern

Kira PD: Summer 2024

Kamp Kira

- Virtual PD offering to kick off the summer starting **early June!**
- Asynchronous coursework for teachers to learn content + build confidence
 - Middle School section (7 weeks)
 - High School section (8 weeks)
- If you're interested in learning more, sign up here:
info.kira-learning.com/kamp-kira-tn-2024



TSIN CS Accelerator Week: Kira PD Sessions

- July 8-12 – Middle Tennessee State University, Murfreesboro
- Read more details on Accelerator Week [here](#)
- Kira is offering three workshops:
 - Middle School (grades 6-8)
 - High School (grades 9-12)
 - AP CS Principles (grades 9-12)
- [Register here](#)



Thank you for your participation!

Further questions? Email us support@kira-learning.com

