

ARTIFICIAL INTELLIGENCE FOR K-12

CODING & MORE

MONTHLY NEWSLETTER

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& MORE

THINK > CREATE > INNOVATE

MARCH, 2022

We are a personalised Edtech company that teaches AI and Coding to children in the K-12 grade band. We truly believe, that today, AI Literacy is as fundamental as language literacy. AI and Machine Learning are being used in varied industries from Business and Art to Law and Health.

Coding and More believes that learning should be fun!! When a child links AI to his/her favourite subject or a personal hobby - as educators we know we have ignited the spark.

It is with this thought in mind that we put together our monthly newsletters. Every month we share interesting AI resources as well as international opportunities, with the hope that there is something to kindle every child's curiosity.

AI is a tool that is shaped by its creators - humans. As citizens of the world work towards achieving the Sustainable Development Goals (SDGs) envisioned by the United Nations, it is our responsibility to propel technological developments towards a fairer and better world. Each month we focus on the one SDG and try to understand its relevance to AI.

This month we have picked UN SDG #5 'Gender Equality'. The unconscious biases humans hold reach far and wide - even into the technology we create. AI is no exception. The more we are aware of this, the more we can do it prevent it. This issue is dedicated to helping us understand the why and how behind this. We hope you enjoy it!

[More Information](#)



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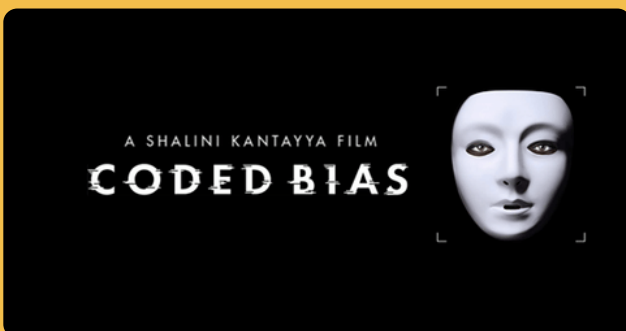
[Click Here to Watch](#)

AI LITERACY - THE NEW ABCS

To celebrate International Women's Day, our educators had an interesting conversation about why they think AI Education is fundamental for young kids today.

AI INSPIRATION

Joy Buolamwini's research helped persuade Amazon, IBM, and Microsoft to put a hold on facial recognition technology. Through her nonprofit Algorithmic Justice League, she battles AI bias because she believes "We have a voice and a choice in the kind of future we have".

[Click Here to Read](#)[Click Here to Watch](#)

AI WATCH

Coded Bias is a documentary that explores the fallout of MIT Media Lab researcher Joy Buolamwini's discovery of racial bias in facial recognition algorithms.

The best part about learning AI is that it has immediate real world application.



AI BYTES #1

AI learns what its human creators teach it. Our unconscious biases can creep into AI systems too. Watch this video to learn how gender bias within AI systems can impact hiring decisions.

[Click Here](#)



AI BYTES #2

Technologist Kriti Sharma explores how the lack of diversity in tech is creeping into our AI, offering three ways we can start making more ethical algorithms.

[Click Here](#)

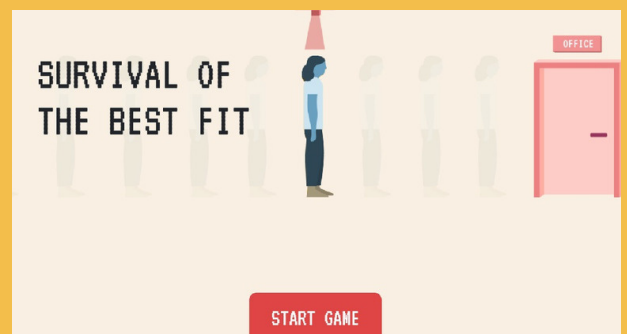


AI BYTES #3

AI can also be used to promote equality.

Accenture Labs is using AI to help increase adoption of financial services among low-income women.

[Click Here](#)



AI BYTES #4

Play the game 'Survival of the Best Fit' to test your own unconscious biases.

AI education is very interactive which makes learning AI a lot of fun.

[Click Here](#)

AI INNOVATION LAB MONTHLY OPPORTUNITY

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MICROSOFT IMAGINE JUNIOR CUP

Coding and More is leading teams for Microsoft's global student challenge - Imagine Junior Cup 2022.

Microsoft Imagine Junior provides the opportunity to learn how technology can be used to solve some of the world's biggest challenges. It is a great introduction to skills that are essential for the future workforce such as artificial intelligence (AI), machine learning and cybersecurity.

Participation in Imagine Cup Junior for students is via a Team Leader. Coding and More will lead teams of up to 6 students. We will deliver the requisite training material and mentor student teams to develop an original concept addressing Microsoft's AI for Good Initiatives.

Access Microsoft's curated training, meet other like-minded students, ideate solutions and use the project on your portfolio.

Challenge Categories: AI for Health, AI for Earth, AI for Accessibility, AI for Cultural Heritage, AI for Humanitarian Action

When: 26th March - 30th April (every weekend for 2 hours)

Eligibility: Ages 13-18

Where: Online on Zoom

How: Mentor led team work of 2-6 students

What you will learn: Design Thinking, AI Concepts, ML Concepts, Cybersecurity, Cloud Computing

REGISTER NOW: Click [here](#) and fill out the participation form and we will get in touch. No prior knowledge of AI/Coding is required.

Imagine Cup
Junior

Microsoft

Coding and More
is participating in Imagine Cup Junior!

REGISTER TO JOIN US!

#MSFTImagine #ImagineCupJunior #microsoftedu



STUDENT CREATIONS

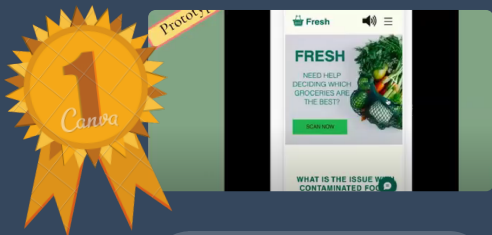
To celebrate International Women's Day, Coding and More hosted the TeensinAI Hackathon 2022.

Student participants had the opportunity to attend AI workshops and design AI solutions to address the United Nations Sustainable Development Goals of Good Health and Wellbeing, Quality Education or Gender Equality. Here are the projects from the winning teams.

TEAM #5

Team 5 created an AI image recognition app to help users, especially visually impaired people, identify food that is in good condition versus food that is not fit to be consumed.

Vedant, Arjun, Hriday, Reinaa, Anoushka, Aditi
(Bombay International School)

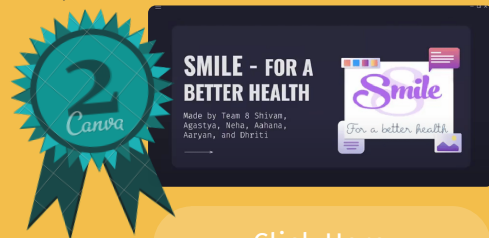


[Click Here](#)

TEAM #8

Team 8 developed an AI based app for good health and wellbeing - it aims to be a friendly companion to elderly people to reduce feelings of loneliness.

Agastya (Ascend International School)
Neha (Tagore International School)
Shivam, Aahana, Dhriti, Aaryan
(Cathedral & John Connon School)



[Click Here](#)

TEAM #7

Team 7 designed an AI based solution to tackle gender discrimination by helping users identify their own unconscious biases in a fun and interactive way.

Manika, Isha, Ayesha, Vanika, Ira
(Cathedral and John Connon School)



[Click Here](#)

TEAM #4

Team 4 presented an AI based solution to enable access to suitable healthcare professionals in the shortest time possible. .

Jia, Aarav, Fioni (Cathedral & John Connon School)
Mahira, Vyomini (Hill Spring International)



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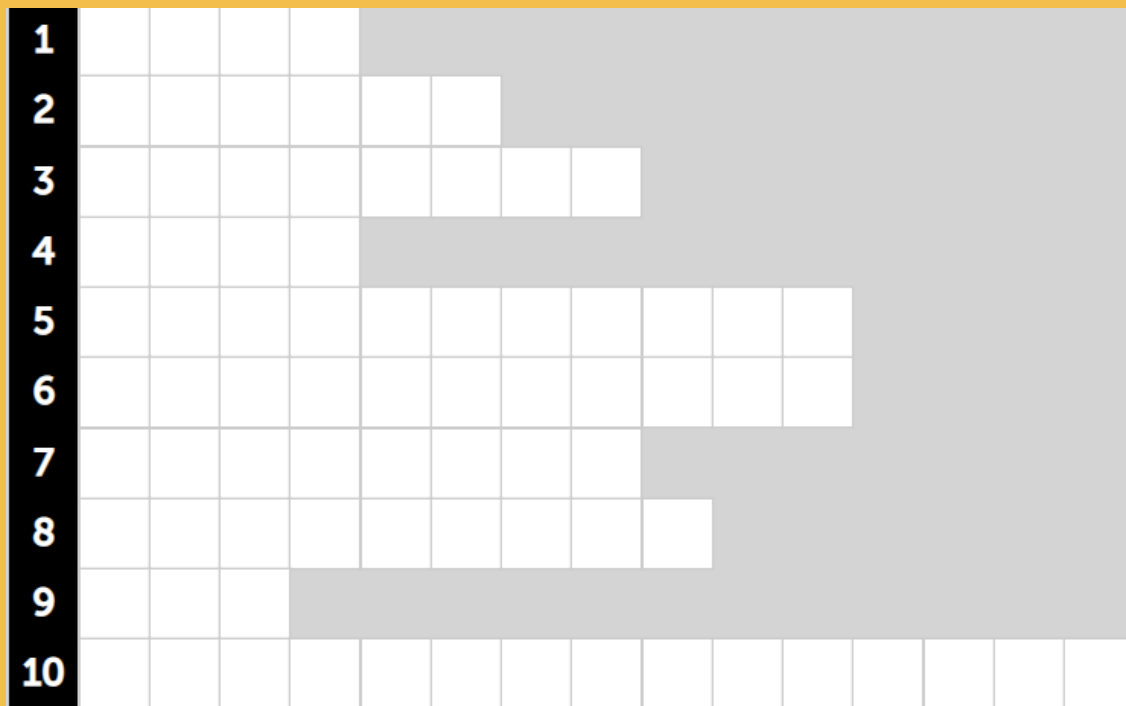


Kids Corner

Unscramble these words!

Hint: They are related to what you have read/watched in the AI Bytes section

1. absi
2. engedr
3. gntinrai
4. adat
5. peerfenrecs
6. ernignocio
7. queatiyl
8. ytdsivrie
9. sgd
10. neginhnicaaerlm



10-machine learning

Answers 1-bias, 2-gender, 3-training, 4-data, 5-preferences, 6-recognition, 7-equality, 8-diversity, 9-SGD, 10-machine learning



PARENT TESTIMONIALS

The AI and coding sessions have done wonders for Mihaail. He's become a lot more focussed and patient while problem solving and is able to think out of the box with more ease.

Ahlam Karachiwala

Parent, Cathedral and John Connon Schhol

AI LITERACY - THE NEW ABC

- Understand how everyday tech works - learn skills to design them yourself
- Be a changemaker - use tech to make the world a better place
- Get a headstart for college - think creatively to integrate AI into your own interests
- Access international platforms - participate (and win!) international competitions and meet inspiring people all over the world
- Gain an edge at your workspace - every non-technical career role today uses AI too

AI LEARNING PATHWAYS

- AI Junior - Grade 2-4
 - AI Middle - Grade 5-7
 - AI High School - Grade 8-12
 - AI Virtual Innovation Lab - Grade 8 onwards
-
- Classes take place online
 - 1:4 teacher to student ratio
 - Our curriculum advisors are professors from MIT, CMU, UC Berkeley, Wellesley

[Click Here](#)



WANT TO LEARN MORE ABOUT AI?

Click the icons to learn more about AI education for kids

