

Annex A.

Microsoft Imagine Cup Junior (ICJ) 2023

ABOUT THE ACTIVITY

The Imagine Cup Junior (ICJ), a Microsoft-led program, is a global student competition for students aged 13-18. Educators utilize lessons to teach their students about Artificial Intelligence (AI) technologies and then students form teams and apply these lessons to dream up a solution to solve the world's biggest challenges.

Why AI? AI is currently one of the world's most important technologies. Empowering young people with the skills and confidence to be AI for Good inventors will bring positive changes to communities and the world. Microsoft is focused on making a difference in the world with AI in these five categories: AI for Earth, AI for Cultural Heritage, AI for Accessibility, AI for Humanitarian Action and AI for Health.

What happens in ICJ? In ICJ, students explain their concept in a PowerPoint template and record a video to illustrate their concept. No coding is required, and the competition is open to any student who is interested in learning more about (AI.) The completed PowerPoint template and link to video are then uploaded to the Imagine Cup platform where a panel of judges evaluates each team's project based on a rubric. The top 10 teams are then recognized as global winners of ICJ and receive trophies & prizes.

What is ICJ for? Imagine Cup Junior provides an engaging learning opportunity supported by educators that covers a range of skills and is open to all students ages 13-18, whether or not they are technically proficient.

ACTIVITY SUMMARY

1. Students learn about Artificial Intelligence through a simple to follow and engaging curriculum led by their teacher, team leader, and the global ICJ team.
2. Students then team up and submit an AI concept that solves a problem in the world in a PowerPoint template.
3. Student submissions are then judged next to others from around the world. 10 winning teams will be awarded trophies and other prizes.

IMAGINE CUP JUNIOR 2023 LESSON JOURNEY

1. Forming a team and identifying a real-world challenge to be solved by their pitched solution.
 - o Students will be asked to form a team and work with a teacher or team leader.
 - o Students will identify a problem that they want to solve in the ICJ competition.

2. Learning about how Artificial Intelligence works
 - o Students will learn the basics and concepts of AI.
 - o Students will be taught how to use API tools to build an AI.
3. Becoming a team of AI inventors
 - o Students will learn the techniques to think like an inventor.
 - o Students will be challenged to innovate their own AI concept as a team.
4. Making sure the AI is good
 - o Students will learn the ethics of AI and in particular cyber-security.
 - o Students will learn how to ensure their AI concept has good ethical principles.
5. Learning about cybersecurity
 - o Students will learn about the basic concepts of cybersecurity.
 - o Students will be taught how to make their concepts cyber safe
6. Entering a great submission to Imagine Cup Junior
 - o Students will learn how to submit their AI concept to Imagine Cup Junior

KEY DATES AND TIMELINE FOR IMAGINE CUP JUNIOR 2023

To be guided accordingly, kindly refer to the table below indicating the schedule of activities, which were set by Microsoft Philippines.

January 11, 2023	Competition Launch
March 22, 2023	Hackathon 1
March 29, 2023	Hackathon 2
April 6, 2023	Hackathon 3
May 10, 2023	Submissions to ICJ close
June 7, 2023	Global winners announcement

HOW TO REGISTER AND PARTICIPATE IN IMAGINE CUP JUNIOR 2023

Registration for Imagine Cup Junior opened on January 11, 2023. Team Leaders must submit projects on behalf of their student teams before the submission deadline, May 10th 2023.

Participation in Imagine Cup Junior for students is via a Team Leader (educator, instructor, parent, or guardian - over the age of 18). Team Leaders register on behalf of students and gain access to the Imagine Cup Junior resource pack outlined below to facilitate learning and the challenge. Students work in teams of one (1) to six (6) to develop an original concept addressing Microsoft's AI for Good Initiatives and complete the Imagine Cup Junior PowerPoint submission template.

For the submission to qualify for the 2023 Imagine Cup Junior, each application must comply with the challenge rules and regulations.

IMAGINE CUP JUNIOR 2023 RESOURCES

Once registered for Imagine Cup Junior, Team Leaders can access all the materials needed to educate students and run a great Imagine Cup Junior challenge. These resources include:

- Beginners Kit – six (6) 45-minute lesson modules. New this year are additional AI lessons in Minecraft: Education Edition as well as an option for students to create a prototype of their concept using <https://azure.microsoft.com/free/students/>
- Deep Learning Modules – 6 sets of in-depth content
- Team Leader Toolkit – get students excited about participating in Imagine Cup Junior with participation resources including social media templates, certificates, posters, and t-shirt templates
- Submission Template
- Judging Criteria and Rubric
- Access the full ICJ rules here: <https://aka.ms/ICJRules>

Team Leaders can also access hackathon materials to run a hackathon in their classroom to help further understand best practices for running Imagine Cup Junior and facilitate additional learning for students.