



AI for Kids (AI4K)®



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Enrollment & Purpose

For students from lower to upper primary school to foster their interest on AI & innovation



Develop Young AI Talents

AI Learning Lab is the certified training partner of AI Singapore and this programme is designed to help students understand basic & fundamental AI concepts such as Computer Vision, Machine Learning as well as guide them in developing and building AI applications and games

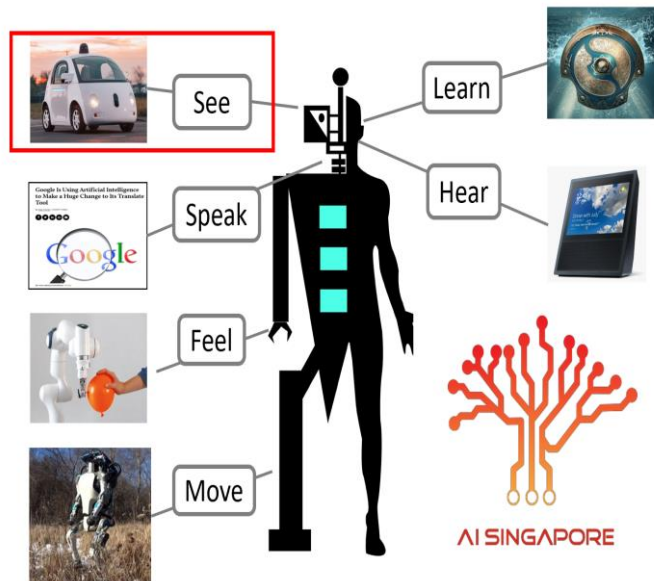


Continuous Learning

AI4K® course for both lower & upper primary

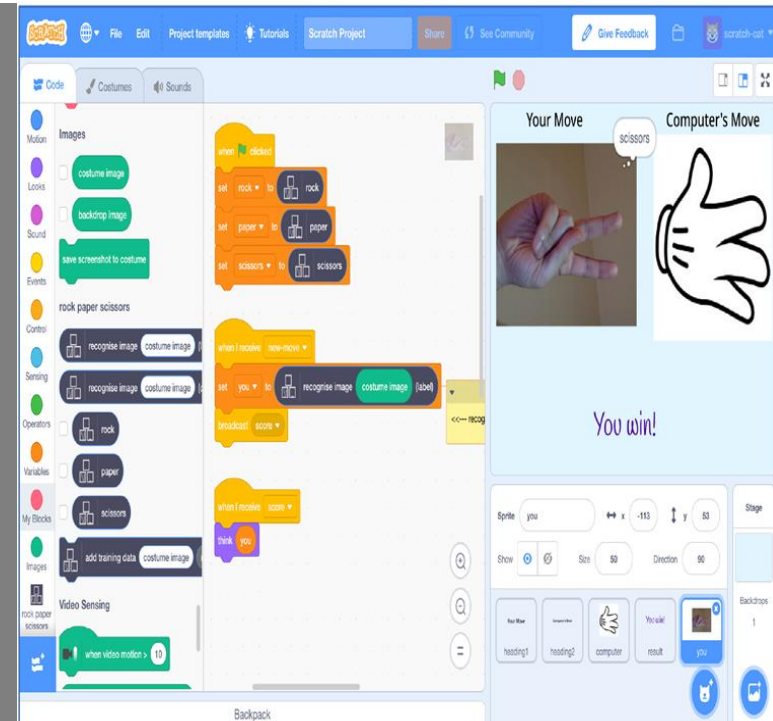
- Starting from Grade 1 – 4
- Beginner & Intermediate curriculum

A.I for Young Talents



Student's Takeaway

- AI4K Certification awarded by AI Singapore
- Understand Pre-AI (Computational Thinking Process) & AI Fundamental Concepts
- Design & build AI applications
- Build an AI Computer game
- Discover & optimize potential AI talent in early age for future career success



AI4K[®] Lesson Plans (Beginner)

Grade 1

(Pre-AI & Basic Concepts of AI – 6hrs)

Session 1:

Understanding machines + problem solving & how is it related to AI

Session 2:

Understanding coding and Introduction to visual programming

Session 3:

Introduction to AI + Fun with AI

Grade 2

(Fundamental Concepts of AI – 6 hrs)

Session 1:

AI Around You + Fun with Chat Bots

Session 2:

Introduction to Computer Vision + Teaching your machine to see and recognise objects

Session 3:

Introduction to Machine Learning + Creating an AI Game

* Participants will be awarded the AI4K[®] Beginner certificate issued by AI Singapore upon completion of Grade 1 & Grade 2

AI4K[®] Lesson Plans (Intermediate)

Grade 3 (Intermediate Concepts of AI Part 1 - 6hrs)

Session 1:

AI Algorithm Unplugged + Decision
Tree in Action

Session 2:

Speech Recognition + Sentiment
Analysis

Session 3:

Understanding Chat Bots + AI Ethics

Grade 4 (Intermediate Concepts of AI Part 2 – 6hrs)

Session 1:

Understanding Data Quality + Facial
Detection

Session 2:

Understanding Facial Recognition + Pose
Estimation

Session 3:

Understanding Recommendation Engine +
Reinforcement Learning

* Participants will be awarded the AI4K[®] Intermediate certificate issued by AI Singapore upon completion of Grade 3 & Grade 4

Certificate of Completion



AI SINGAPORE

THIS IS TO CERTIFY THAT

[recipient.name]

HAS SUCCESSFULLY COMPLETED THE PROGRAMME REQUIREMENTS
AND IS HEREBY AWARDED THIS CERTIFICATE OF COMPLETION

AI4K® INTERMEDIATE COURSE
(GRADE 3 & 4)

[custom.programme_period]

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DATE OF ISSUE

[Signature]

LAURENCE LIEW
Director, AI Innovation

VALID CERTIFICATION ID: *[credential.id]*

