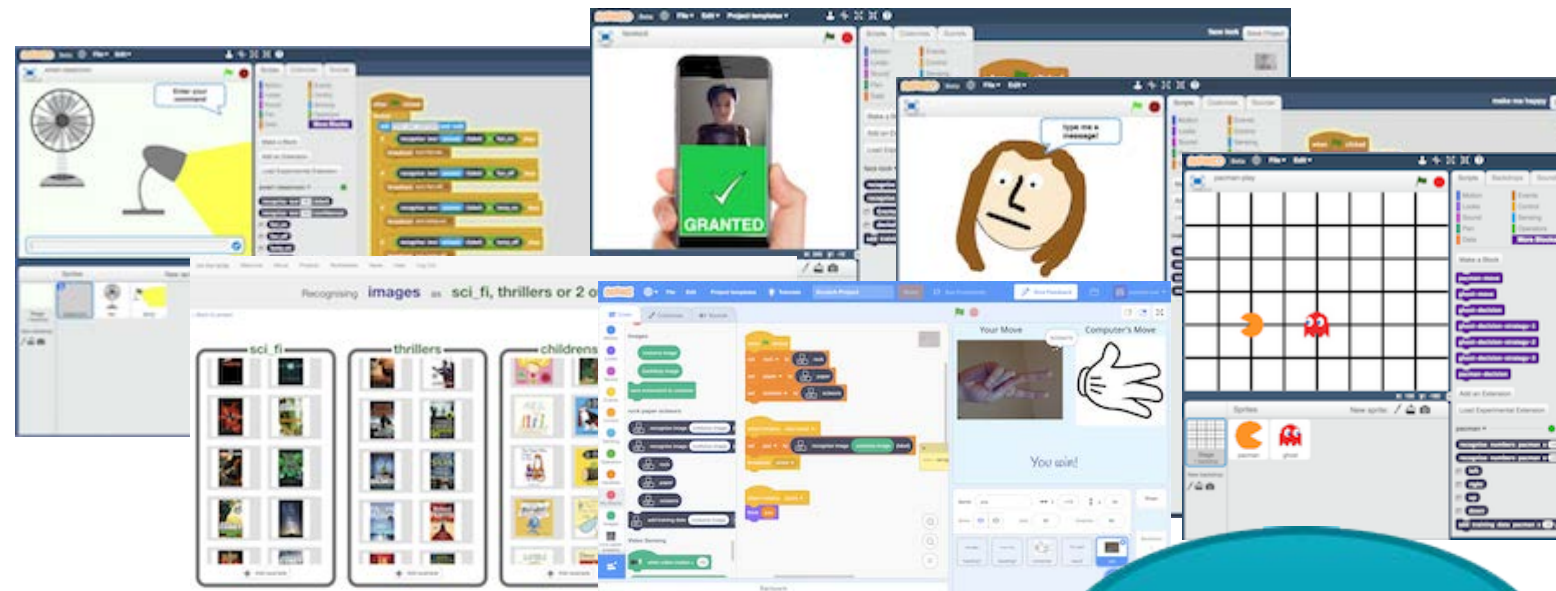


# AI Coding with IBM Watson



## Let's develop smart programs with AI!

Your child develops smart programs with AI such as a smart assistant, face ID capability, a chatbot and more by gathering data, training AI and use it from Scratch.

- ✓ **Understand the process** of AI programming that requires data gathering, AI training, use the trained AI from the program.
- ✓ **Capabilities of AI** used in this course are facial recognition, text and image classification, sentimental analysis.
- ✓ **The supervised learning model** is used in this course. Your child uses the AI, IBM Watson, as a black box but prepares for the training data and train it.
- ✓ **Scratch** is used to produce the user interface and customized by your child.

Prerequisite: your child needs to know Scratch and have some programming experience with Scratch.

It's fun!

## Daily Schedule

9:00 – 9:10	Sign-in
9:10 – 10:00	Critical Thinking
10:10 – 10:30	Snack break
10:30 – 12:00	AI programming

## AI Projects

Monday	Smart Assistant
Tuesday	Image classification (shape classification, color classification)
Wednesday	Image classification (handwritten numbers, photos)
Thursday	Image classification (facial recognition) and prediction
Friday	Decision tree, Convolutional Neural Network overview

The daily schedule and the AI projects are subject change.

## After this course

Your child understands the process of supervised learning-based AI programming, an overview of convolutional neural network that is commonly used AI known deep learning and the difference between the normal program such as one written in Scratch and neural network-based AI.

This course does not focus on teaching Scratch itself or details of AI, but on the process of gathering data, training AI and use the trained AI from programs.

## Prerequisite

None.