М	lachine Learning For Kids :: Teachers' notes
Worksheet	Quiz Show
Activity	Make a quiz show in Scratch with a computer contestant that can answer questions on the topic of your choice.
Objective	 Use a computer that has been trained to find the answers to questions Learn how computers can be trained to find answers to questions in documents Learn how "Question Answering" has been a field of machine learning research
Difficulty level	Beginner
Time estimate	40 minutes
Summary	Students create a Scratch script that can look for answers to questions in Wikipedia pages, using a pretrained machine learning model.
Topics	question answering, information retrieval, natural language processing
	Setup
Each student w	ill need:
Print-outs	Project worksheet (download from https://machinelearningforkids.co.uk/worksheets) Blocks in Scratch scripts are colour-coded, so printing in colour will make it easier for students.
Class account w	vill need:
API keys	None
	Customizing
add steps to the If you want to en instructions inste Project template Project	files & worksheets in MS Word format are available so you can modify them to suit your class . https://github.com/IBM/taxinomitis-docs/tree/master/scratch-templates
templates	Scratch 3 templates end .sb3 Scratch 2 templates end .sb2
Worksheets	https://github.com/IBM/taxinomitis-docs/tree/master/project-worksheets/msword
	Help
Potential issues	 "https://machinelearningforkids.co.uk" is a long URL to type for some children. You may find it easier to set up a bookmark that they can click on instead. The machine learning model used for this project is large and complex. Some computers may warn that it uses a lot of memory, and slower computers may take a long time (20-30 seconds) to find answers to questions.