Machine 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 wi	Il 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	ill need:
API keys	None
	Customizing
If you want to inc add steps to the v If you want to end instructions inste Project template	files & worksheets in MS Word format are available so you can modify them to suit your class.
Project	https://github.com/IBM/taxinomitis-docs/tree/master/scratch-templates
templates Worksheets	Scratch 3 templates end .sb3 Scratch 2 templates end .sb2
worksneets	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. Factual questions that have short answers should perform better. Encourage your students to experiment with different styles and lengths of questions to they can discover for themselves how the machine learning model performs. You may want to encourage your students to modify the game show script to customize how it looks or behaves. General troubleshooting and help at https://machinelearningforkids.co.uk/help