Machine Learning For Kids :: Teachers' notes	
Worksheet	Chatbots
Activity	Create a chatbot that can answer questions about a topic of your choice.
Objective	 Teach a computer to recognise questions How computers can be trained to recognise the intent behind writing. How chatbots are used to automate answering people's questions
Difficulty level	Beginner
Time estimate	1 hour
Summary	Students will train a machine learning model to recognise questions by typing examples of how those questions could be asked. They will use this in Scratch to make a character that answers those questions.
Topics	sentiment analysis, supervised learning
Setup	
Each student will 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.
Access	Username and password for machinelearningforkids.co.uk
Class account will need:	
API keys	Watson Assistant 1 workspace per student
	One "Lite" API key is free but can only be used to create 5 workspaces One "Standard" API key can be used to create to create 20 workspaces
	more detail at: https://github.com/IBM/taxinomitis-docs/raw/master/docs/pdf/machinelearningforkids-apikeys.pdf
Help	
Potential issues	 The worksheet tells students to make a chatbot that can answer five questions. If you think that might be too much typing for your students, you could tell them to train it to answer three or four questions instead. "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 worksheet screenshots are based on Scratch 2. You may prefer to use Scratch 3 instead, however students may find it harder to find some blocks. General troubleshooting and help at https://machinelearningforkids.co.uk/help