# Model Setup in Google AI Studio

* Created new Tuned Model
  + Selected Structured Prompt layout to provide example prompts and responses

# Prompting

* Parts of the input
  + What sensor/project that the user wants code fore
  + What materials the user is going to use for the project
  + Example: *“Provide Arduino Code to test the DHT11 Temperature and Humidity sensor. My materials are an arduino, the DHT11 Sensor, a breadboard and jumper wires.”*
* Tested more complex prompts which incorporated existing example prompts and respones
  + Added these complex prompts and their newly generated responses back to the prompt examples

# Coding

* Generate Code through Get Code feature on Google AI Studio
* Generate API Key
* Google Colab
  + Set up Secret (API Key)
  + Paste code

# How to use

* Enter a project description as well as all materials used into the user input box.
* The model will then generate Arduino Code for the project