Investigating conductivity with Makey Makey boards

Note to teacher: I would encourage teachers to have students take ownership over this report by creating their own, based on the outline in this report below. This report template has been provided if you do not feel your students are capable of creating their own report. This report can be used to assess the following content descriptors listed in the 'Links with other curriculum areas' section.

Name: _____ Date: _____

Section 1: Preparation for the investigation

Aspect of investigation	Description	Your answer
Aim	What is the purpose of this investigation? What problem are you trying to solve?	
Hypothesis	What do you predict will happen? Explain why.	
Variables	What are you going to be measuring? (What is the dependent variable?)	
	What are you going to change? (What is the independent variable?)	
	What do you need to keep the same? (What do you need to control?)	
Safety	What are the potential risks to this experiment?	
Fairness	How will you ensure that this is a fair test?	

Describe how you will conduct this investigation:

(Steps with pictures – ensure you label the main components of the digital systems.)

Section 2: Results of the investigation

1. Create a data table to record your results:

2. Show your results in another way:

Section 3: Findings and analysis of the investigation

Aspect of investigation	Description	Your answer
Findings	Write a statement to summarise your findings.	
Conclusions	Based on your results, what conclusions can you draw about conductive materials?	
Analysis	Was this a fair test? Explain why or why not.	
	Were there any problems or challenges you encountered during this investigation? How did you overcome these?	
	How could the investigation have been improved?	
Comparison	Compare your results with another team. How were they similar? How were they different?	
	Explain why there might be a difference in the results.	