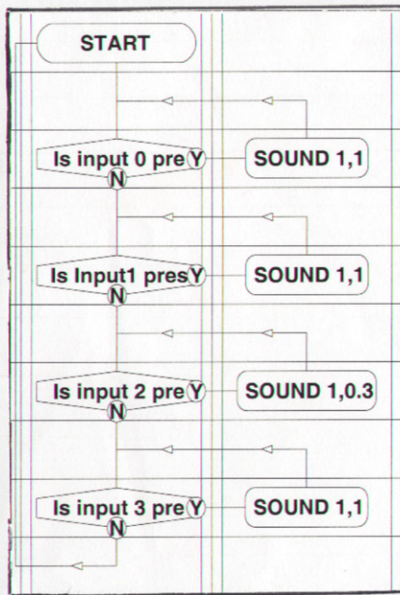


# Testing & Trialling

## Product Development

OCR Technology GCSE  
Systems & Control  
Assessment Objective 4

Materials/production	
Modelling/testing	
Product specification	



### Pic-Logicator Test Flow Diagram:

To test whether my flow diagram created in the Design Ideas section would actually work, I created it in Pic-Logicator. As I could not use the actual sound recording module for this as I did not have it, I used 'sound' outputs to simulate the recordings that will be played. I ran the flow diagram to test whether it functioned

properly. The flow diagram worked correctly and performed what I intended it to do. I will alter the bought sound module to respond to the pic-chip controlled by this flow diagram. In this way the sound module will be easy to use as just one press of a button will play the pre-recorded message.

### Testing Materials:

To test what plastic I should use to make the case ~~of~~<sup>f</sup> my product I will place a weight on a strip of plastic. I will test three different types of plastic: Polystyrene, acrylic and PVC. The plastic will be placed on a sanding board with the weight on top. This means that the same force will be used for all the plastic tests. The plastic will be rubbed across the sanding board 50 times. I will do this for all three plastics, so that it is a fair test. I will see how durable the material is by the amount of scratches on its surface.



The plastic with a weight on top and the sanding board below

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