**Password Generator Pseudocode Example**

**INPUT On start:**

OUTPUT: Display ‘Press A or B’

**INPUT When Button A Pressed :** Set random number 0 to 99

OUTPUT : Display ‘random number’

**INPUT When Button B Pressed:** Set letter to random number 1 - 5

OUTPUT :

If number = 1: Display ‘X’

Else If Number = 2: Display ‘t’

Else If Number = 3: Display ‘b’

Else If Number = 4: Display ‘M’

Else: Display ‘h’

**Challenge 1:**

**INPUT When shake:** Set character to random number 1 - 4

OUTPUT:

If number = 1: Display ‘?’  
 Else If Number = 2: Display ‘!’  
 Else If Number = 3: Display ‘/’  
 Else If Number = 4: Display ‘=’

**Challenge 2: Adding sound:**

**INPUT When Button A pressed:**

OUTPUT: Play MID A for 1 beat