TASK #4

Student Worksheet - Personality Test

Group Name_____ Group Members_____

Overview: Use the Sound and Display blocks to give your robot some personality.

Project: NASA are extremely happy with the progress of the project so far, but have asked if it is possible to inject a little personality into your robot. Using the in-built sounds as well as the display screen, it will be possible for the robot to let us know what it is up to.

On the NXT Brick, search through the menu and change the volume to 4. _____

Program the Brick using the Sound Block to play a preloaded sound file. _____

Program the Brick to play the song Mary had a Little Lamb

B A G A B B B A A A B D D

B A G A B B B B A A B A G _____

Program the Brick using the Display Block and a 'Wait for Time' Block to display a pre-drawn image for 5 seconds. _____

Program the Brick using the Display Block and a 'Wait for Time' Block to display the text "Science is Real" for 5 seconds _____

Program your Brick to say "5, 4, 3, 2, 1, Fanfare!" and then drive as fast as it can for 1000 mm. When it gets to the half way point have the Brick say "Brilliant!" When it get to the end have the robot say "Hooray!" with applause afterwards and display a smiley face on the screen. _____