Information for the Workshop Participant:

Directions:
Complete the assignment below, and then ask your reviewer to use the attached instructions to check your work. You may attempt the project as many times as you would like; remember the purpose is to expand on what you have learned.

Additional Notes:
Before attempting the project assignment, we recommend that you
1. Try out the programs shown in the videos for yourself. Make sure that you understand how to write them yourself, and that when you download them to your EV3 it behaves as expected.
2. Try writing the programs shown in the videos again, from scratch, again and again, until you get to the point where you can do so without peeking at the video or at your previous program.
3. Complete the following optional troubleshooting tasks to help you prepare:
   a. Write a program that will cause the robot to display an image of your choice, and then to play a sound of your choice. Note that you should expect that the sound is played as soon as the image is displayed on the screen, and the image will remain on the screen until the sound completes.
   b. Write a program that will cause the robot to play two different sounds, one after the other.

While we strongly recommend that you complete the above tasks, they are all optional and do not need to be reviewed.

Assignment:
Create a new program called **Project1**. Your program should cause your robot to do the following:
1. Display a smiley face while saying “Hello”
2. Display the LEGO image while saying “LEGO” two times
3. Display Z’s while making a snoring sound
4. Display a check mark while saying “Good job”
   (Hint 1: Browse through the images – the picture is in there, though it’s not called “check mark”)
   (Hint 2: You may want to try and use the up and down arrows keys to scroll through the images)
5. For additional details, please see the information for the project reviewer on the next page.
Information for the Project Reviewer

The participant will demonstrate his or her robot project to you. To be considered successful in this project, this demonstration must perform the following tasks in the order specified:

<table>
<thead>
<tr>
<th></th>
<th>Display the picture of the smiley face (shown on the left) while saying “Hello”</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Display the picture of the LEGO logo (shown on the left) while saying “LEGO LEGO” (Note that the word “LEGO” must be repeated twice)</td>
</tr>
<tr>
<td>2</td>
<td>Display the picture of the Z’s (shown on the left) while making a snoring sound</td>
</tr>
<tr>
<td>3</td>
<td>Display the picture of the check mark (shown on the left) while saying “Good job”</td>
</tr>
</tbody>
</table>