Names:	**Class:**	
Learning Intention: **I am learning to build and program a car park barrier**		
Building Success Criteria:	**How did I do?**	
I can design and build a barrier out of Lego using a motor and a distance sensor		
I can place the distance sensor so it would detect the car approaching the barrier		
I can stop my barrier hitting things behind it		
Programming Success Criteria:		
I can program an emergency cut off switch when the **space** key is pressed		
I can program my barrier to rise **slowly** when **r** key is pressed		
I can program my barrier to lower **slowly** when **l** key is pressed		
I can program my barrier to make a warning sound before and during the barrier movement		
Programming Extension Criteria:		
I can program my barrier to rise when the distance sensor detects a car within 50mm of the barrier wait 5 seconds for the car to enter then lower slowly		
What is the design fault with the distance sensor model and how could you fix it if you had more lego? (Answer this with your partner)		

☺ I can do it

😐 Achieved but didn't fully understand it all

☹ Didn't understand it