Lights and Music Activity Sheet   Name:

Single Value Controlling

What sensor value are you going to use? Why?

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Plan your lights and music show. Feel free to use words and pictures.

Design Question	Design Decision
What are the outputs going to be? (i.e. different sound and color combinations)	
What are the thresholds for changing the outputs?	
How often it will take to change lights and sound?	
What will trigger different parts of the lights and music to start?	

Write an explanation for why you made the above design decisions?

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Multiple Values Controlling
What sensor values are you going to use? Why?

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Plan your lights and music show. Feel free to use words and pictures.

Design Question	Design Decision
What are the outputs going to be? (i.e. different sound and color combinations)	
What are the thresholds for changing the outputs?	
How often it will take to change lights and sound?	
What will trigger different parts of the lights and music to start?	

Write an explanation for why you made the above design decisions? Specifically talk about any changes, additions, and/or deletions from the single value controlling version.

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