



**First Lego League Curriculum - Ontario**

<b>Questions</b>	
Question 1 Science	What behaviour would you like to code into your robot to make its behaviour more like a particle?
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Question 2 Science	Referring to the gas state program, what do you think would happen if the container your robots were in got smaller? Would the robots seem to act more or less sporadic (crazy)? Relate this to the temperature of a gas in your answer.
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Question 3 Science	Imagining again that our robots are particles. If the robots were to get tangled, and join together in a <b>permanent</b> fashion, would this be showing us a change of state, or something else?
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Question 4 Robotics	What limitations does the ultrasonic sensor seem to have? Name at least one weakness, and one strength.
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