



**First Lego League Curriculum - Ontario**

<b>Questions</b>	
Question 1 Science	What happens to your heart when your organs need more oxygen, such as in physical activity?
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Question 2 Science	Looking at the human's body plan, why do you think the heart and lungs are placed so close to each other?
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Question 3 Science	The simplified diagram we used, only included the most major blood vessels in the body. Take a guess at how the blood makes it to all the millions of tissues throughout the organs in the body.
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Question 4	Measure your heart rate by counting the number of beats in 60 seconds (or in 15 seconds and multiple by 4). What would be the robots beats/minute from your demonstration. What does this tell you about the speed at which your blood travels?
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Question 5 Science	When a doctor performs chest compressions, they are trying to move the blood around the body, even though the heart is not beating. Why do you think this works?



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