



Scientific Argumentation in Biology

Victor Sampson

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Miami Jackson Senior High

Time	Topic	Presenter
08:00-08:15	Introduction and Overview	<i>Gladys Barrio</i>
08:15-08:30	Flipping the Classrooms in Biology	<i>Walfredo Valdes</i>
08:30-09:00	Scientific Argumentation in Biology. What is Argumentation and Why Is it Important?	<i>Victor Sampson</i>
09:00-09:30	Argumentation and the Science Standards	<i>Victor Sampson</i>
09:30-10:30	Example of "Generate and Argument" Activity	<i>Victor Sampson</i>
10:30-10:45	<i>Break</i>	
10:45-11:30	Advice for Implementation	<i>Victor Sampson</i>
11:30-12:30	<i>Lunch</i>	
12:30 – 01:30	Example of Evaluate of Alternative Activity (Osmosis and Cells)	<i>Victor Sampson</i>
01:30 – 02:00	Advice for Implementation	<i>Victor Sampson</i>
02:00 – 02:10	<i>Break</i>	
02:10 – 02:30	Example of a Refutational Writing Activity (Theories and Laws)	<i>Victor Sampson</i>
02:30 – 02:40	Advice for Implementation	<i>Victor Sampson</i>
02:40 – 03:00	Closing Remarks	<i>Sampson/Barrio</i>