## Online Resource 7.19 Ninth-Grade Lesson Example

Description of Unit:	Learning Intention, <i>I will</i> Make inferences and justify conclusions from sample surveys, experiments, and observational studies.  Success Criteria:		
	I will	I will	I will
	Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.	Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.	<ul> <li>Evaluate the conclusions of arguments using statistical information.</li> <li>Produce and present a solution to a problem using quantitative data.</li> </ul>
			Use data from a randomized experiment to compare two treatments; use simulations to decide if differences between parameters are significant.
		Evaluate reports based on data.	lon
Leverage	Students are asked to debate with one another and use their prior math and statistical knowledge to make a case.		
	In learning partners, the students then prepare to make a case in front of the entire class.		
	The teacher listens to the students' remarks and then shares the learning intentions and success criteria.		
	Review the learning intention of the unit		
	Review the success criteria for the lesson		
	Review student current knowledge/ideas/questions		
Link	The teacher writes down areas of strength in student arguments and areas of growth.		
	The teacher provides feedback to students and a rationale for why/how the lessons over the next few weeks will be helpful in handling the case studies students will use to complete the unit.		
	Align feedback, instruction, and learning strategies to surface, deep, and transfer		
	Align tasks to the surface, deep, and transfer		
	Focus students on "progress of learning"		
Lift	Students are given a paper and pencil assessment to measure their individual performance towards the learning intentions and success criteria of the unit.		
	Summarize student learning relative to learning intentions and success criteria		
	Review individual performance and next steps in learning		

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