Reflection Explanation Task

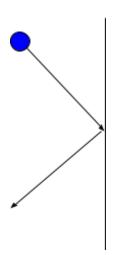
ATL(s) being taught and assessed:

Thinking - Critical - Use models and simulations to explore complex systems and issues (focus on modelling waves as particles or field disturbances)

Thinking - Critical - Evaluate evidence and arguments

Task

A marble hits a barrier and 'reflects'. Explain, using momentum, what is happening here (assume an elastic collision). Use this analogy to explain the law of reflection.



Formative assessment criteria:

Not there yet	Meeting expectations	Beyond expectations
	 Explanation is well structured and leads to a conclusion. 	
	- Reflection is described correctly in terms of a wave model	
	 Reflection is described correctly in terms of a particle model (impulse) 	
	- Visual aides are relevant and useful	
	- Explanations are concise	