

Refraction Explanation Task

ATL(s) being taught and assessed:

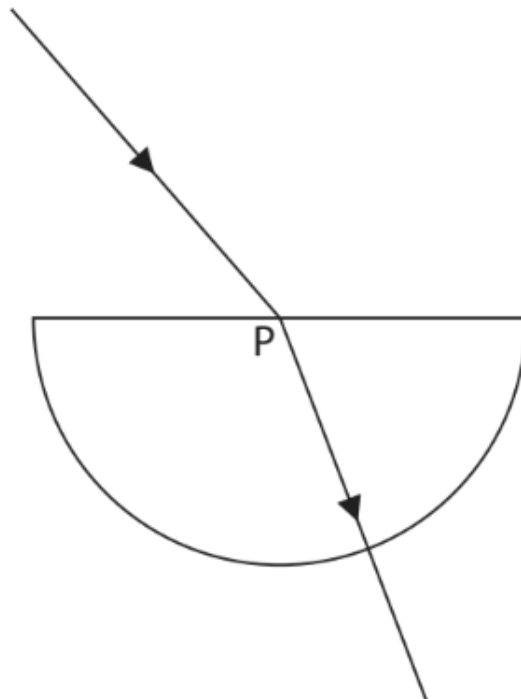
Thinking - Critical - Use models and simulations to explore complex systems and issues (focus on modelling waves as particles or field disturbances)

Task

A ray of light is entering a semi-circular glass block at P and leaving from the other side.

Explain why the light refracts as it enters at point P and why it does not when it leaves the block.

Explain how a particle model can be used to help understand refraction



Formative assessment criteria:

Not there yet	Meeting expectations	Beyond expectations
	<ul style="list-style-type: none">- Explanation leads to a conclusion that the viewer can follow- Refraction is described correctly in terms of a wave model- Refraction is described correctly in terms of a particle model	

	<ul style="list-style-type: none">- Visual aids are relevant and useful- Explanations are concise	
--	--	--