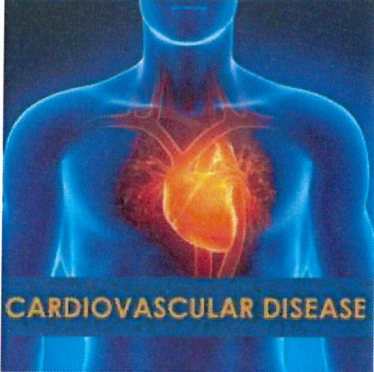
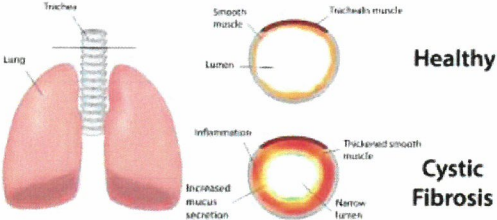
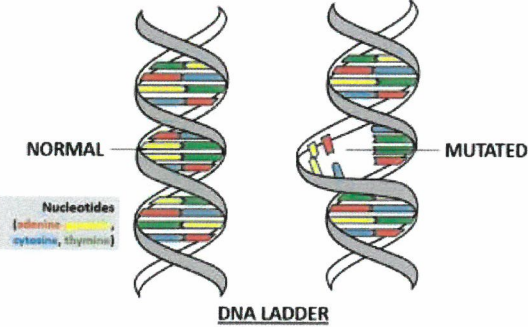
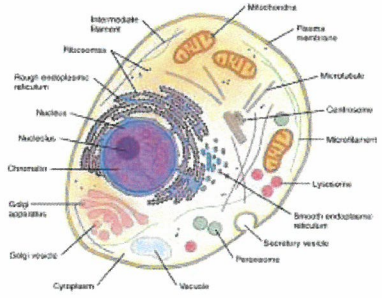


Year Group	Summary of Key Topics / Units covered / Line of Enquiry	Dual-Coding (What photo /image would capture the topic?)	Other information you would want to include (HPL specific links / educational visits / how parents engaged with? / Specific AO's? / university destinations / subject specific events etc)
12	<p>Topic 1: Lifestyle Health and Risk</p> <ul style="list-style-type: none"> The effects and risks of cardiovascular disease. The risk factors related to getting cardiovascular disease. How to reduce the risks of cardiovascular diseases. <p>Topic 2: Genes and Health</p> <ul style="list-style-type: none"> The effects of cystic fibrosis on the lungs. Understand why cystic fibrosis mucus is so sticky. How cystic fibrosis affects other body systems. How the CFTR protein is made. Understand what can go wrong with DNA. How cystic fibrosis is inherited. How we can test for cystic fibrosis. <p>Topic 3: Voice of the Genome</p> <ul style="list-style-type: none"> Cell organelles and how these can be viewed. 	 <p>Cystic Fibrosis</p>  <p>DNA LADDER</p>  	<p>Analysing: students will need to break down and analyse data related to cardiovascular diseases and understand the risk factors.</p> <p>Linking: must use interconnected prior knowledge about DNA and new knowledge of DNA to understand the problems caused by cystic fibrosis.</p>