

# Home-School Learning Collaboration –Science

<b>Topics in this cycle:</b> Drugs	<b>Taught:</b> Summer 1	<b>Year Group:</b> 9
Key knowledge/concepts to be learnt ('Tell me about....')		Websites/blogs/YouTube links and further reading to deepen and consolidate learning
<ul style="list-style-type: none"> <li>• <b>What is a drug?</b> Define the term drugs. Identify examples of legal and illegal drugs.</li> <li>• <b>Is drinking bad for you?</b> Describe the effects of alcohol in the long and short term. Identify the risks involved in excessive alcohol consumption. Explain how alcohol damages the human body.</li> <li>• <b>What do cigarettes do to my body?</b> Describe the effects of nicotine, tar and carbon monoxide on the body. Explain how the components of cigarettes lead to disease. Interpret data on the effects of smoking.</li> <li>• <b>Is weed even bad for you?</b> Describe some of the effects of using cannabis. Explain my viewpoint on the argument for the legalisation of cannabis. Evaluate different viewpoints on the legalisation of cannabis.</li> <li>• <b>How do you know if I'm hiding something?</b> Describe how common drug tests are used. Explain why drug tests are necessary for maintaining safety and security.</li> <li>• <b>Are drugs all bad?</b> <ul style="list-style-type: none"> <li>• Recall the tiers of some illegal drugs in the UK.</li> <li>• Describe the negative impacts of illegal drugs.</li> <li>• Explain how drugs can be important in modern society.</li> <li>• Evaluate the use of drugs in a modern world.</li> </ul> </li> </ul>		<p>The effect of drugs on the brain.  <a href="#">How do drugs affect the brain? - Sara Garofalo - YouTube</a>  <a href="#">Substance Abuse Prevention - Life Skills Education Charity</a></p> <p>How does alcohol make you drunk?  <a href="#">How does alcohol make you drunk? - Judy Grisel - YouTube</a>  <a href="#">Alcohol statistics   Alcohol Change UK</a></p> <p>Why give up smoking?  <a href="#">Why Give Up Smoking? - YouTube</a>  <a href="#">Health Effects   Smoking and Tobacco Use   CDC</a></p> <p>Cannabis  <a href="#">Cannabis Science Conference   Cannabis Event Series</a></p> <p>How does caffeine keep us awake?  <a href="#">How does caffeine keep us awake? - Hanan Qasim - YouTube</a></p> <p>What are the effects of vaping?  <a href="#">What do we know about the effects of vaping and is it safe?   ABC News - YouTube</a></p>

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Key Vocabulary and Definitions To Be Learnt		What Will The Assessment Look Like?
<b>Drugs</b>	A drug is any chemical substance that causes a change in an organism's physiology or psychology when consumed.	<b>Extended writing</b> – Evaluate whether cannabis should be legalised (6 marks)  <b>End of Unit test:</b> 25 minutes <ul style="list-style-type: none"> <li>• Short answer questions</li> <li>• Multiple choice</li> <li>• Extended writing</li> </ul>
<b>Legal Drugs</b>	Legal drugs are considered permissible for use and are either prescribed by a physician (prescription medications) or are available over the counter at a pharmacy or other outlet (non-prescription medication).	
<b>Illegal Drug</b>	Illegal drugs are drugs which a person is not allowed to own or use by law.	
<b>Stimulant</b>	Stimulants are a class of drugs that speed up messages travelling between the brain and body	
<b>Depressant</b>	Depressant substances reduce arousal and stimulation. They affect the central nervous system, slowing down the messages between the brain and body.	
<b>Hallucinogen</b>	Hallucinogens are a diverse group of drugs that alter perception, thoughts, and feelings. They cause hallucinations, or sensations and images that seem real, but they are not	<b>Family Learning Opportunities</b>  Create your alcohol tweet. <a href="#">Talk About Alcohol (@talkalcohol) / Twitter</a>  Share your thoughts and videos on drug abuse on. <a href="#">Calling All Creators! Join NIDA in Crafting #MyWhyNDAFW Videos   National Institute on Drug Abuse (NIDA) (nih.gov)</a>  Design a T-shirt on substance abuse and prevention. <a href="#">Substance Abuse Prevention - Life Skills Education Charity</a>
<b>Nicotine</b>	an addictive, poisonous chemical found in tobacco. When it enters the body, nicotine causes an increased heart rate and use of oxygen by the heart, and a sense of well-being and relaxation	
<b>Tar</b>	A dark usually thick sticky liquid obtained by distilling wood, coal, or peat.	
<b>Carbon Monoxide</b>	A poisonous gas that has no colour or odour. It is given off by burning fuel and tobacco products. Carbon monoxide prevents red blood cells from carrying enough oxygen for cells and tissues to live.	
<b>Addiction</b>	Addiction is defined as not having control over doing, taking or using something to the point where it could be harmful to you	
<b>Alcoholism</b>	A chronic disease in which a person craves drinks that contain alcohol and is unable to control his or her drinking	
<b>Cirrhosis</b>	Cirrhosis is scarring of the liver caused by continuous, long-term liver damage.	
<b>Cannabis</b>	Cannabis (often called marijuana) comes from the cannabis plant. It contains a chemical, which affects brain function.	
<b>Carcinogen</b>	A carcinogen is a substance, organism, or agent capable of causing cancer	



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