

SNAB Topic 1 'Lifestyle, health and risk' Resources overview

Resource type (2008 numbers)	2005 numbers	Title	Interactive component	Student sheet	Teacher sheet	Technician sheet	Description
Topic introduction			Yes (presentation)	No	No	No	An interactive presentation to give you an overview of the topic.
GCSE review			Yes (review)	No	No	No	An interactive review of the GCSE knowledge you need for this topic.
GCSE review test			Yes (test)	No	No	No	An interactive test of how well you know the material in the GCSE review.
Activity 1.1	1.1	Mark's and Peter's stories	No	Yes	Yes	No	Provides a detailed account of Mark's and Peter's experiences with cardiovascular disease.
Activity 1.2	1.2	Demonstrating mass flow	No	Yes	Yes	Yes	A practical demonstration of diffusion and mass flow allows consideration of why animals have a circulation system.
Activity 1.3	1.3	Structure of the heart (Dissection)	No	Yes	Yes	Yes	Examine the structure of a mammalian heart by completing the dissection in this activity.
Activity 1.4	1.4	Structure of the heart (Simulated dissection)	Yes (tutorial)	Yes	Yes	No	Look in detail at the structure of a mammalian heart using a simulated dissection.
Activity 1.5		An ideal transport medium	Yes (tutorial)	Yes	Yes	Yes	Lets you relate the solvent properties of water to some of the functions of water.
Activity 1.6	1.5	Investigating arteries and veins	No	Yes	Yes	Yes	Investigate how the structure of blood vessels relates to their function in this practical activity.
Activity 1.7	1.6	The cardiac cycle	Yes (tutorial)	Yes	Yes	Yes	The simulation with this activity shows you the cardiac cycle as a continuous process.
Activity 1.8	1.7	Atherosclerosis	No	Yes	Yes	Yes	Lets you summarise the steps in the development of atherosclerosis and clot formation.
Activity 1.9	1.10	Estimating risk	No	Yes	Yes	No	Think about perception of risk and estimate risks for a range of diseases in this activity.

Activity 1.10		Identifying health risks	No	Yes	Yes	No	Evaluate the design of studies used to identify health risk factors.
Activity 1.11	1.11	Analysis of cardiovascular disease data	No	Yes	Yes	No	Lets you find out if cardiovascular disease risk changes with age.
Activity 1.12	1.13	Measuring blood pressure	Yes (tutorial)	Yes	Yes	Yes	You use a sphygmomanometer, a blood-pressure monitor or the accompanying simulation to measure blood pressure.
Activity 1.13	1.14	Blood pressure summary	No	Yes	Yes	No	Bring together all the ideas about blood pressure using the concept map in this activity.
Activity 1.14	1.15	Carbohydrate structure tutorial	Yes (tutorial)	Yes	Yes	No	The interactive tutorial in this activity will help you understand carbohydrate structure.
Activity 1.15	1.16	Biotechnology to the rescue	No	Yes	Yes	Yes	You can immobilise lactase and use it to hydrolyse lactose.
Activity 1.16	1.17	Lipid tutorial	Yes (tutorial)	Yes	Yes	No	Complete this interactive tutorial to help you understand lipid structure.
Activity 1.17	1.18	Your energy budget	Yes (tutorial)	Yes	Yes	No	Use the dietary analysis software in this activity to work out your energy budget and determine whether you are getting the right amount of energy.
Activity 1.18		Cholesterol and CVD	No	Yes	Yes	No	Considers the evidence for a causal relationship between blood cholesterol levels and CVD.
Activity 1.19	1.12	Sudden death in athletes	No	Yes	Yes	No	Considers the inheritance of predisposition to cardiovascular disease including a case study.
Activity 1.20	1.19	Are you getting enough antioxidants?	No	Yes	Yes	No	Considers the role of antioxidants in your diet and lets you determine if your diet contains enough antioxidant vitamins.
Activity 1.21 CORE		Is high C all it claims to be?	No	Yes	Yes	Yes	Investigate the vitamin C content of a range of fruit juices.
Activity 1.22	1.20	Reducing stress	Yes	Yes	Yes	No	This teacher-led demonstration lets you take part in an investigation of some factors that affect blood pressure and heart rate.
Activity 1.23 CORE	1.21	Does caffeine affect heart rate?	No	Yes	Yes	Yes	You design an experiment to find out whether caffeine affects the heart rate of water fleas (<i>Daphnia</i>).

Activity 1.24	1.22	Healthy heart quiz	No	Yes	Yes	No	Use this healthy heart quiz to test your knowledge of the heart and CVD risk factors.
Activity 1.25		Making decisions	No	Yes	Yes	No	Considers some of the ways that people use scientific knowledge to reduce their risk of CHD.
Activity 1.26	1.24	Check your notes	No	Yes	No	No	Use this activity to check your notes for revision.
Topic test			Yes (test)	No	No	No	Interactive end-of-topic test.
Topic test			No	Yes	Yes	No	Exam style written end-of-topic test
Extension 1.1	1.1	Someone saved my life today	No	Yes	Yes	No	Learn about cardiopulmonary resuscitation in this extension.
Extension 1.2	1.2	Other techniques used in medical diagnosis	No	Yes	Yes	No	In this extension read about various tests used to diagnose cardiovascular disease.
Extension 1.3	1.3	Functional foods and CHD	No	Yes	Yes	No	Find out more about functional foods in this extension.
Extension 1.4	1.4	New treatments for coronary heart disease	No	Yes	No	No	You can read more about new treatments for coronary heart disease in this extension.