

Key Stage 3 (11-14 Years)- Ideas For Activities Sheet

English

Speaking and Listening

Ask the pupils to make short presentations about the dangers of Tooth Decay and Gum Disease.

Reading

Ask pupils to gather information about sugar, Oral Health and Dentistry from various sources, in order to do the above presentation.

Writing

Ask pupils to write about Oral Health for different audiences. A newspaper article, a leaflet for the Dentist's surgery, and advice for other school children.

Mathematics

Using and Applying

Ask pupils to work out how much money they spend on sweets per week, month and per year. Then try calculating the total weight of sugar they eat per year. (One spoonful = 2g) Use the food lists provided in this folder. Compare this amount to their actual body weight.

Number

Use the decayed, missing and filled statistics provided in this folder to compare decay rates across the North West, and England and Wales.

Shape, space and measures

Conduct a tooth audit of the class. Record the number of fillings and missing teeth. Compare with other classes.

Do a survey of the most popular brands of snacks, sweets, foods and drinks. Are they healthy? Discuss alternatives.

Handling Data

Produce graphs and charts of the data obtained above.

Science

Experimental and investigative science

Find out the constituent ingredients of toothpaste. What each material does and how it is manufactured.

Key Stage 3 (Continued)

Life Processes and Living Things

Discuss the importance of Prevention rather than Treatment (Cure) in modern Dentistry.

Dental Anatomy: Incisors, Canines, Premolars, Molars. What is their shape, form and function.

Physical processes

Study the structure of a cross-section through the tooth, and the role played by each structure.

Using the Dental Anatomy Board discuss how the lower jaw is vulnerable to impact injuries and how Mouthguards can protect the teeth.

PSHE

Debate the perceived benefits of good Oral Health, such as the ability to eat well in old age, speaking clearly, effect on appearance, ability to get employment etc.

Discuss the difference between factual information and opinion and “old wives tales” that are associated with teeth and Oral Health.

Ask the children to do a project on the “Health Promoting School.” Ask them to consider how important good Oral Health is within such a concept, and how it is related to other factors such as diet and catering.

Geography

Explore the impact of sugar production on development. How Sugar Beet and Sugar Cane production is dependent on climate, and how certain countries (like the Caribbean Islands) and British cities (like Bristol and Liverpool) have developed because of it.

History

Explore the history of the Slave Trade and it’s relation to sugar production.

Research the History of Sugar from the time of Columbus to the era of mass consumption in Victorian England.

Research the history of Dentistry from Ancient Egypt to Modern Times.

Key Stage 3 (Continued)

Design and Technology

Design a modern Dental surgery or waiting room, using modern materials and ergonomic thinking.

Art

Design a poster, leaflets and promotional material for a National Smile Week campaign.

Design some modern uniforms for Dentists, Dental Nurses and other Dental staff.