

Title: Keep on Pumping!

YEAR: 2020 TERM: Autumn 1
YEAR GROUP: 6

Rationale:

Pizza is a much-loved take-away and is often cited as a favourite meal by children. But could pizza consumption be damaging our heart health? Is there a way of enjoying pizza but in a healthier way? The children will be investigating how the heart and circulatory system works; the effect of food and exercise on it and what is needed to ensure it keeps on pumping!

Lead Subject: SCIENCE

During this project, the children will become experts in the circulatory system: the heart, the blood vessels and the blood itself. They will be exploring how diet affects the circulatory system and how a balanced diet may help contribute to longevity. Through scientific enquiry, the children will find out if all hearts beat the same and will collect data to explore the effect of different factors on heart rate.



Lead Subject: ENGLISH

The children will be writing an explanatory text to explain how the heart works. Also the children will be writing a persuasive piece to pitch to the kitchen staff in school to ask them to consider a healthier pizza option. They will need to persuasively present evidence of the effect of diet on heart health. We will also be reading 'Pig Heart Boy' by Malorie Blackman and writing a balanced argument and a character diary.

Lead Subject: DT

In this project we will be exploring food technology. Using their knowledge of nutrition and the effects of food on the body (specifically the circulatory system), the children will design and make a healthy (but tasty) version of a pizza. They will make their own dough and sauce, as well as preparing their toppings. Serving size and accompaniments will also be considered.



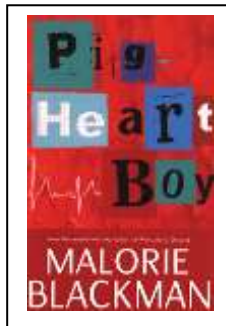
Applied Subject: ICT

As part of their science, the children will collect data. They will use Excel to input their data and create graphs.

School Values: ASPIRATION During this project we would like everyone to aspire to being fitter and healthier using their new knowledge.

Applied Subject: PE

The children will consider how exercise affects the heart and which exercises are particularly good for heart health. Different circuit training exercises will be carried out and their effect on the heart investigated through a scientific enquiry.



Maths

- Place Value... we will continue to build on the children's place value knowledge from the first project
- Addition and subtraction (revision of column method) including mental strategies
- Multiplication & Division
- Problem solving & reasoning using 4 rules
- Fractions (with 4 rules)

Outcome

Head of the school kitchen and Mrs McCarthy will be invited to the 'Healthy Pizza' restaurant. The dining experience will include an explanation of how the heart works and how diet can affect it.

Home learning

Home learning will be linked to nutrition and pizzas. More details to follow in the first week of the project...

WEEKS:6



Discrete: PE
Lacrosse

Discrete: PDL
Valuing Difference

Discrete: French
Le week-end
Les Nombres 61-100

Discrete: RE
Peace (Islam)