

Daily Maths/Science/PE Lesson Plan Class:Y3

Objectives Whole Class

*setting up simple practical enquiries, comparative and fair tests making systematic and careful observations
*gather, record, and present data in a variety of ways
*Find out about the effects of exercise and rest on pulse rate and heart beat

Success Criteria */**/**

*Carry out a fair investigation.
** Record information in a table.
***Discuss and compare the information and data collected.

Challenge- Plot information on a graph.

Context/Application/Real World

Recent work researching and discussing the Mars mission.
Links to our 'healthy bodies' science.
Links to PE- warm up affecting pulse rate. Fit for life.

Key Questions/Maths Vocabulary

How do you know?
What makes you think that...?
Why do you think that this happened?
What do you think will happen?
How do we know that it's a fair test?

Manipulatives/Models/Images/Representations to reinforce conceptual understanding

Authentic fake letter from space agency.
Alien task cards and equipment.
Recording devices- stop watches/ iPad timers, etc.
Laminated squared paper with axis drawn on.
Pulse rate recording sheets.
Examples of pulse rate recorded sheet to plot graph from.

Remember & Recall Facts

Use multiplication facts, doubling, to work out the beats per minute.

Recall features of a fair test.
Reading a scale (graph)

2. Consolidation

chn make simple comparisons (which is more/ less/ higher than... lower than.)

1. Whole Class Will:

Briefly discuss how to set up a fair test-
Chn take resting pulse and record on sheets.

Whole class warm up and take pulse and record.

3. Digging Deeper! Application, bread the depth

Chn to make more in depth analysis of the data- starting to use predictions and explanations for the results. Data for the graph is halfway between scale points.
Ask chn how pulse rate can be calculated for BPM. How much higher is...