



Sporting Decisions Lesson Plan 2

Main focus of activity:

- To be able to pick a team based on the data and charts available

Learning objectives:

- To be able to interpret data from charts and diagrams
- To be able to make and justify decisions based on data.
- To be able to present information from tables in a graphical

Links to curriculum: Links to the maths curriculum are as follows

- Interpretation of bar charts, pie charts, and line graphs
- Making decisions using data

Activity outline:

Introduction

- The students are presented with the shooting records of seven players. They need to pick 5 penalty takers based on the information available. Pupils will choose different penalty takers and interpret the information differently. This is designed to happen and at this point there needs to be a good discussion
- There is a prepared excel worksheet in the resource pack with the player data available.
- Pupils are asked to pick their team based on position and the statistics available

Starter

From the information on the flipchart can you pick your five penalty takers?
(Some of the player data is shown on the prepared flipchart)

You may want to prompt students to consider percentages here to help compare players.

Main

Pupils are asked to then actually pick a team based on the data and charts available. There is a prepared excel package with the data and diagrams build in. Pupils are always asked if there is any more information that they require to help improve their decisions. The sheets are split to represent the positions so there is information on Strikers, Midfielders, Defenders and Goalkeepers. Remind students that the number of games that each player has played may affect their decision.

Pupils are also asked to construct information from the information provided to help them make their decision. This helps them to understand why using graphs and charts is important. There are no charts created for Defenders or Goalkeepers, prompting students to create their own.

If you have ICT provisions for the students, it would be good to give them access to the spreadsheet. They can practice using functions to make calculations more efficient.



Sporting Decisions Lesson Plan 2

Plenary

When looking at data like the information you have been presented with what do you need to be careful to consider? Pupils may like to come up with a top 5 list of things in a small group or pairs. They could then compare their suggestions with another groups.