



# ACTIVITY PLAN – SESSION 10

|                        |                                |
|------------------------|--------------------------------|
| <b>Session</b>         | 10                             |
| <b>Theme</b>           | One Day International activity |
| <b>Title</b>           | Telling the story in graphs    |
| <b>Curriculum area</b> | Numeracy                       |

## Where has this session come from...

One of the introduction sessions covers how cricket is scored. This activity looks at a T20 game between England and Australia. Using data from the game, pupils will see how different types of graphs can help understand data.

## Learning objectives

To be able to plot graphs from given data.  
To be able to explain what the shape of a graph means.

## Room layout and preparation

This can be done as an ICT activity using spreadsheet software or using graph paper.

## Starter activity

Show the data set from the T20 International match and ask questions to allow pupils to engage with the data.

- How many runs were scored by each side in the 10th over?
- Which was the best over for England? (Most runs)
- Which was the best over Australia? (Most runs)

## Main activity

Start off by asking the pupils to calculate the average run rate (runs per over) for each team.

This (and the total) shows an overview of what happened, but we can use graphs to 'tell the story'.

Ask the pupils to plot a graph of over (x-axis) against cumulative runs (y-axis) of an Over.

When the graph is plotted the pupils should write a summary of the game using the graph to help them.

- Points to highlight are that for much of the game the run rate was fairly even, but England had a 'burst' at 5,6,7 overs and 16,17,18 that Australia didn't have.

## Opportunities for differentiation

It is possible to draw a bar graph of runs for each over to show when the 'peaks' were for each side. This can be done for lower ability/younger pupils.

## Where the session is leading...

The ideas behind this session could be taken into analysing games for the current Ashes tour, particularly the One Day International games and T20 Internationals.

## Assessment opportunities

Maths MA4 – Handling Data – Processing and interpreting data.



**ASHES**  
**SCHOOLS**  
**CHALLENGE**

**INSPIRING LEARNING THROUGH CRICKET**  
PRIMARY & SECONDARY SCHOOLS PROGRAMME

# ACTIVITY



## ENGLAND V AUSTRALIA

Game: Nat West T20 International

Date: August 31st 2013

Venue: Chester-le-Street

Over by Over comparison scores

Other data at

[www.espncricinfo.com/the-ashes-2013/engine/match/566938.html](http://www.espncricinfo.com/the-ashes-2013/engine/match/566938.html)

|      | England Innings | Australia Innings |
|------|-----------------|-------------------|
| Over | Score           | Score             |
| 1    | 1/0             | 4/0               |
| 2    | 13/0            | 9/1               |
| 3    | 22/0            | 15/2              |
| 4    | 27/0            | 24/2              |
| 5    | 46/0            | 34/2              |
| 6    | 61/0            | 42/2              |
| 7    | 74/0            | 57/2              |
| 8    | 81/0            | 66/2              |
| 9    | 88/0            | 73/2              |
| 10   | 94/0            | 82/3              |
| 11   | 110/0           | 95/3              |
| 12   | 116/1           | 104/3             |
| 13   | 124/1           | 111/4             |
| 14   | 131/1           | 115/5             |
| 15   | 137/1           | 123/5             |
| 16   | 155/1           | 129/6             |
| 17   | 162/2           | 148/6             |
| 18   | 181/2           | 150/8             |
| 19   | 187/3           | 162/9             |
| 20   | 195/5           | 168/9             |