

Lesson: Are you a bookworm?			
Learning Objectives:			
<ul style="list-style-type: none"> Construct and compare pie charts. Understand the word 'genre' and investigate reading trends of different book genres. Improve knowledge of authors and popular book titles. 			
Starter: What is your favourite book? Which genre is your book? Look at whole class' data. Use data to help guess at labels on Starter Graph. Make comparisons.	Pupils Write on a piece of paper their favourite book. Stick under appropriate genre heading. Collect data for whole class. Guess at the labels for Phase 4 data	Teacher Put up genre headings on classroom wall. Facilitate whole class feedback and discussion. Show pupils graph with hidden labels (OHT or Whiteboard). Aid pupils in deciding labels.	
Main: Use Phase 4 data table to produce percentage pie charts comparing male and female genre preferences.	Pupils Interpret and manipulate data to produce 2 pie charts. Make comparisons between them.	Teacher Aid pupils in producing pie charts. Encourage pupils to label well and select appropriate colours for their pie charts.	
Plenary: Fill the gaps on the sheet from BBC Big Read data. Discuss differences and similarities between CensusAtSchool data and BBC data.	Pupils Complete activity and participate in class discussion	Teacher Provide sheet and organise discussion.	
Outcomes:			
All Pupils Will: Write down their favourite book, attempt pie charts, listen to class discussion.			
Most Pupils Will: Participate in class discussions, complete pie charts.			
Some Pupils Will: Complete plenary sheet, make comparisons giving reasons for answers.			
Resources: Blu Tac, Genre Labels, Paper, Main Activity Data Sheets, Phase 4 Starter Graph, BBC data Plenary Sheet, Internet Access (extension task), Protractors, Pairs of Compasses			
Classroom Management: Whole Class Teaching, individual or paired work for pie charts			
Keywords: Books, Reading, Data, Pie Chart, Genre, Compare.	KS3 Strategy Links: Framework pg 262-267 (Year 8 Pie Charts)	NC MA4 Handling Data 1a iii/c/e/f 3b/4a/5b	Cross-Curricular Links: Literacy
Prior Knowledge: Simple Graph/Data interpretation, Constructing pie charts			
Assessment of Learning: Whole Class Discussion, Pie Charts, Answers to Plenary Sheet.			
Extension Activity: Research 21 BBC Big Read books and distinguish them by genre. How does this compare to own class' data?			
Homework Ideas: Read a book off the top 21 that you've not read before. Interrogate the data on reading from http://www.stats4schools.gov.uk/data_reading.asp . Choose own hypothesis to investigate.			

Question Ideas/Notes:

Make sure pupils understand the meaning of the word 'genre'.
Genre headings for starter activity: Adventure, Crime, Factual, Fantasy, Horror, Other, Real Life, Romance.
On the starter graph, hide labels on axes and M/F legend. You could use text boxes to hide labels, if using Word/Whiteboard.

BBC Big Read Website:

<http://www.bbc.co.uk/arts/bigread/resources/index.shtml>

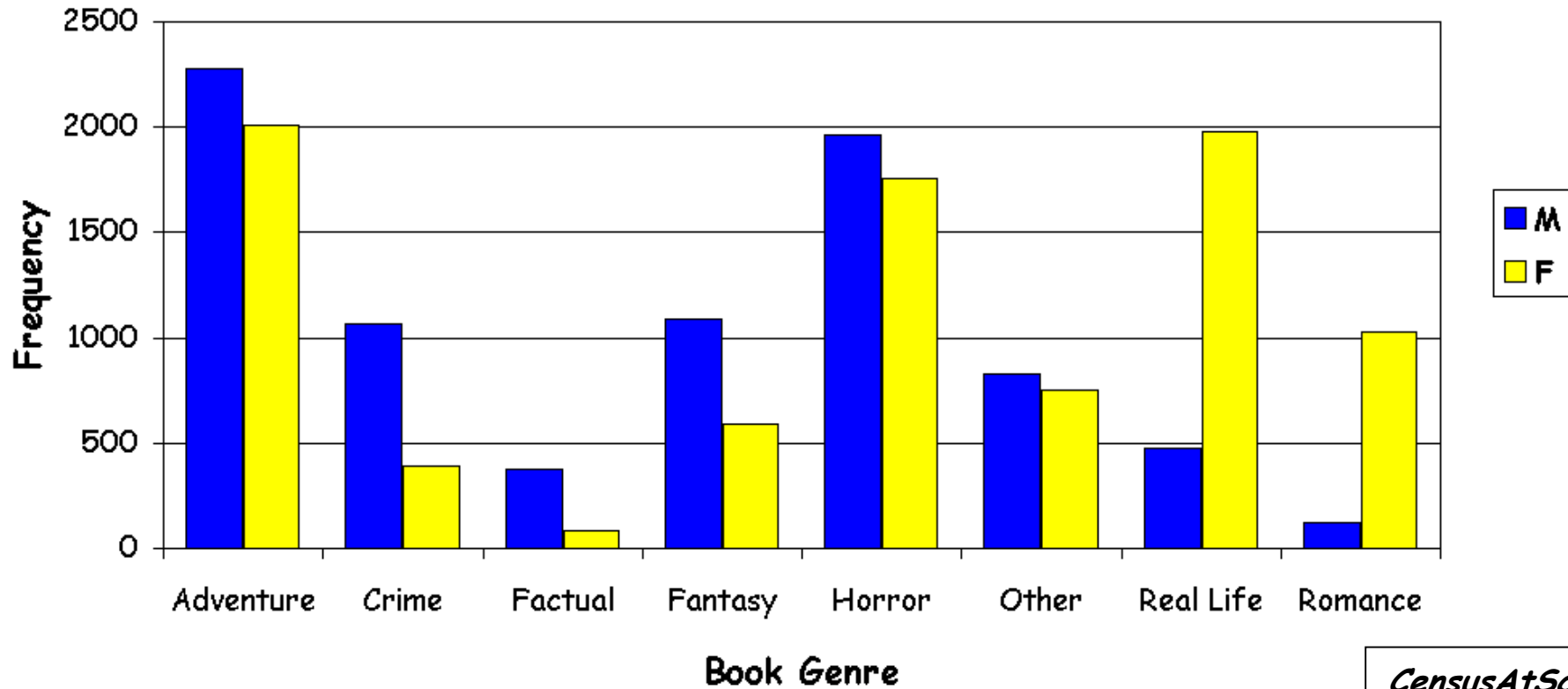
Your Own Notes/Questions:

Notes on Lesson/Evaluation



This resource is from *CensusAtSchool* project, RSS Centre for Statistical Education, www.censusatschool.ntu.ac.uk

Book Genre Choices of Males and Females



CensusAtSchool
Phase 4 data
2003/4
8179 pupils
Yr's 7 to 11

Main Exercise

Data on Book Genre Choices taken from Phase 4 of the CensusAtSchool project at www.censusatschool.ntu.ac.uk

	Males	Females
Adventure	2274	2007
Crime	1066	392
Factual	372	88
Fantasy	1087	589
Horror	1961	1754
Other	831	750
Real Life	478	1981
Romance	120	1025

Use this data to draw comparative pie charts, using **percentages**, to show differences and similarities between males and females who completed the Phase 4 questionnaire. Write a few sentences about what you notice. Remember, label your pie charts with 'genre' and 'percentage' and carefully use colour to distinguish the segments. (Imagine what it would look like if you printed in black and white)

The BBC Big Read Top 21 Books 2003

1		JRR Tolkien
2	Pride and Prejudice	
3	His Dark Materials	Philip Pullman
4	The Hitchhiker's Guide to the Galaxy	
5	Harry Potter and the Goblet of Fire	
6	To Kill a Mockingbird	Harper Lee
7		AA Milne
8	Nineteen Eighty-Four	George Orwell
9	The Lion the Witch and the Wardrobe	
10	Jane Eyre	Charlotte Brontë
11		Joseph Heller
12	Wuthering Heights	Emily Brontë
13	Birdsong	Sebastian Faulks
14	Rebecca	Daphne du Maurier
15	The Catcher in the Rye	JD Salinger
16	The Wind in the Willows	Kenneth Grahame
17	Great Expectations	
18		Louisa May Alcott
19	Captain Corelli's Mandolin	Louis de Bernieres
20		Leo Tolstoy
21	Gone with the Wind	Margaret Mitchell