



Grade 7 Lesson "Hoop It Up"



Hoop It Up

Subjects

Math and Language Arts

Required Software

Internet Explorer or Netscape - to research teams/conferences

Microsoft Excel - to create the statistical spreadsheet

Microsoft Word - to do word processing of the summary

Summary of Project

In this activity, students will use the Internet to research NBA teams and conferences to determine which has the best statistics. These statistics will be then placed in a Excel spreadsheet to be manipulated. Students will then use Microsoft Word to write a summary of their findings.

Objectives

To have students research NBA teams and conferences using the Internet.

To have students create a spreadsheet to manipulate the statistics that they have gathered.

To have students summarize their findings.

Prerequisite Skills

The students should have a basic understanding of the Internet and how it works. Skills should include: how to navigate using the tool bars, printing, and copying and pasting into a word processing program.

The students should have a basic understanding of Microsoft Excel and how to create a worksheet. Skills should include: formatting cells, creating basic formulas, saving and printing.

The students should have a basic understanding of Microsoft Word and how to do word processing. Skills should include: entering and formatting text, deleting text, saving and printing.

Suggested Time Frame

Approximately one week

Resources for Lesson

Sports Webquests

- ☞ Comparing NBA Conferences: A Webquest for 7th grade math
<http://204.48.128.30/~cms/L.Project/bballqwst.htm>
- ☞ Play Ball Webquest
<http://viking.stark.k12.oh.us/~greentown/webquests/baseball/bballwebq.htm>
- ☞ Math, Baseball and the San Francisco Giants!!!
<http://www.kn.pacbell.com/wired/baseball/>
- ☞ National Hockey League Salary Creator
<http://www.berksiu.k12.pa.us/webquest/Neiswender/index.htm>

NBA Statistics

ESPN Statistics <http://espn.go.com/nba/statistics/index.html>
Team by Team Comparison
<http://espn.go.com/nba/statistics/1999/tmcompare.html>
NBA.com <http://www.nba.com/>
NBA Team Index <http://www.netguide.com/guide/sports/nba.html>
Statszone.com <http://www.statszone.com/>
USA Today NBA <http://www.usatoday.com/sports/nba.htm>
Yahoo NBA <http://sports.yahoo.com/nba/>
Excite NBA <http://sports.excite.com/nba>
CNNSI Basketball <http://sportsillustrated.cnn.com/basketball/index.html>
Sportsline NBA <http://cbs.sportsline.com/nba/index.html>
Fox Sports NBA <http://www.foxsports.com/nba/index.sml>
Sportspages.com NBA <http://sportspages.com/pages/nba.htm>
Sporting News NBA <http://www.sportingnews.com/nba/>

Description of Excel Part of the Assignment

Which NBA Conference has the best teams overall? In this project you will be using the Internet and spreadsheets to compare statistical data of two different conferences. The data that you collect from the Internet will be transferred into an Excel spreadsheet where you will find the averages for each conference. Then you will write a summary of your findings.

Preparation of the Excel Budget Worksheet

see example below

Hoop it up!												
Conference	Team	Totals			Rebounds							
Team names	G	GS	MIN	FGM-A	3PM-A	FTM-A	OFF	TOT	AST	STL	BLK	PTS
Averages												
Conference	Team	Totals			Rebounds							
Team names	G	GS	MIN	FGM-A	3PM-A	FTM-A	OFF	TOT	AST	STL	BLK	PTS
Averages												

See [Grade 7 Excel Handout](#) for step-by-step instructions on how to create this worksheet.

Additional Ideas for beginning this lesson:

I thought that it might be a neat idea to have the students use a webquest as part of this lesson. Here is a list of possible sites to use:

See [Grade 7 Excel Handout](#) for step-by-step instructions on how to create this worksheet.