

Lesson Plan for Business Information Studies

Topic:	Database
Teacher:	Pam Fowler, Keene High School, ptfowler@cheshire.net
Subject:	IT and Me Works
Grade:	9
Time:	3 hours
Objective:	The student will demonstrate their knowledge of database management—creating a database, filtering, querying, and reporting.
Standard:	The student will use information-gathering techniques and technologies in collecting, analyzing, organizing, and presenting information.
Setting:	Computer lab and database software.
Materials:	Assignment sheet and teacher project directions.
Teacher's Role:	The teacher will collect from each student the assignment sheet and check for duplicate entries. Each student's work will be photocopied to make a packet of database entries for use in the project. The teacher will also explain the nature of the project to ensure that it is clear.
School to Career Connections:	Use of a speaker to discuss database management.
Employability:	Organizational skills and problem-solving skills.

HOMework ASSIGNMENT

Consequence of not turning in: zero for 10% of grade on project

Find three videos or DVDs and report on the following:

Complete name of video:

Leading actress:

Leading actor:

Year of film:

Category of film (drama/action, comedy, horror, romance, musicals, science fiction, documentary):

Running time in minutes:

Rating (by you) in stars:

* is the worst

**** is the best

Video ____ DVD _____

Complete name of video:

Leading actress:

Leading actor:

Year of film:

Category of film (drama/action, comedy, horror, romance, musicals, science fiction, documentary):

Running time in minutes:

Rating (by you) in stars:

* is the worst

**** is the best

Video _____ DVD _____

Complete name of video:

Leading actress:

Leading actor:

Year of film:

Category of film (drama/action, comedy, horror, romance, musicals, science fiction, documentary):

Running time in minutes:

Rating (by you) in stars:

* is the worst

**** is the best

Video _____ DVD _____

ACCESS PROJECT

A local nursing home has a variety of movies on video cassette. You are a volunteer at the home, and the director of volunteers has asked you to create an inventory of the movies. One afternoon, you sort through the boxes and list each movie's name, leading actors, year produced, running time, etc. You also assign a rating system of one to four stars

Using the attached sheets (that you created in a homework assignment), create a database to store these movies. Create an overall database named, **Hunting Hills Video Collection**, and enter the video collection using appropriate field names and data types, size, etc. Make sure you name the table **Current Videos** and create a primary key.

Keep your handouts IN ORDER and hand in when all finished.

1. Print one copy of the original database alphabetizing the movie titles.

Using your database collection perform the following in any manner to get the desired results by using queries, filters, or reports. Print **only** the columns specified.

2. Print **only** the movie titles along with the male and female actors and the year produced.
3. You have less than two hours to show a movie to the nursing home residents. Print the **movie titles** and **running times** that would fit this time constraint.
4. Print the **movie titles** only made in 2000.
5. Print the **movie titles** only beginning with the **letter C**.
6. The nursing home is having a **comedy** night. Print the **movies titles and category fields** that fall into this category.
7. Print the **movie titles and leading actors only** of films rated more than two stars in a **report** with an appropriate heading.
8. **Add** the following five movies and info to your table. Then **print** the entire table sorted by movie titles in Z to A order.

The Little Princess, starring Shirley Temple and Richard Greene, 1939, comedy, 84 minutes, three stars, DVD.

North by Northwest, Cary Grant and Eva Marie Saint, 1959, drama, 136 minutes, four stars, Video.

Of Mice and Men, Burgess Meredith and Lon Chaney, Jr., 1939, drama, 107 minutes, four stars, DVD.

The Quiet Man, John Wayne and Maureen O'Hara, 1952, drama, 129 minutes, four stars, Video.

On the Waterfront, Marlon Brando and Eva Marie Saint, 1954, drama, 108 minutes, four stars, Video

- 8) It's Grandparents' Weekend at the nursing home. Print the **movies tiles and year fields prior** to 1990

Lastly, create and print a **report** with the movie names in A to Z order, and include the fields of **year produced and running time**. Supply an appropriate title for the report.

Place all printouts in order and hand in.