

TECHNOLOGY-12/13

SELECTIVE UNIT 17 (S17)

(Databases)
(July 2017)

Unit Statement: The student will use Microsoft Access or similar database program to organize a collection of related information. The student will create new databases, create tables, and enter data into the tables. They will also learn how to apply good database design principles to define the structure of a database.

Essential Outcomes: (must be assessed for mastery)

1. The Student Will identify good database design.
2. TSW create a table and define fields in a blank database.
3. TSW change the structure of tables.
4. TSW create a query, form, and report.
5. TSW use a template to create a database.
6. TSW print a report and a table.

Software/Resources:

Software:

Microsoft Access 2016

Resources:

Go! with Microsoft Office 2016 Getting Started.

GCF Learn Free (Access) - <https://www.gcflearnfree.org/access2016/>

Destiny Webpath Express (found on QSI schools Library site) use this search engine to find age-appropriate websites that align with this unit.

Suggested Projects for Databases:

Example projects are listed below. Classes are not limited to these topics, but any project should reflect the depth suggested in the TSW's.

1. **Chapter 1 – Getting Started with Microsoft Access.** *Go! With Microsoft Office* 2016 pages 191-269. Students will learn database design principles, how to create a database, enter data, delete data and create reports.
2. Create a database for a personal movie or music collection, organized by category.
3. Any optional project the teacher may develop.

ASSESSMENT RUBRIC FOUND ON FOLLOWING PAGE.....

Assessment Rubric – S17 – Databases

Student Name: _____ **Date:** _____

To receive a ‘B’ the student must show ‘B’ level mastery on ALL Essential Outcomes. (TSW’s)

To receive an ‘A’, the student must show ‘A’ level mastery on ALL available and ‘B’ level mastery on all remaining TSW’s.

TSW	‘A’ Level Mastery	‘B’ Level Mastery	‘P’ Comments
1. Identify good database design.		Identify good database design.	
2. Create a table and define fields in a blank database.		Create a table and define fields in a blank database.	
3. Change the structure of tables.	Change the structure of tables to be visually appealing and easily useable.	Change the structure of tables.	
4. Create a query, form, and report.	Create multiple queries, forms, and reports.	Create a query, form, and report.	
5. Use a template to create a database.	Use a template to create an easily useable database.	Use a template to create a database.	
6. Print a report and a table.		Print a report and a table.	