Lab Framework

Text: Cord

Unit number and title: Unit 1 – Learning Problem-solving Techniques

Short Description: Students will take their current classes and credit and see where they need to be in order to graduate on time. What classes will they need to take in the future?

Have students explore local college requirements – How close are they – what do they need? – Very limited career exploration.

Developed by: Debbie Hatley

Contact Information: dhatley@sunnyside.wednet.edu

Date: January 19, 2008

Lab Title

Are you ready to graduate?

LAB PLAN

TEACHER: Teacher Prep/ Lesson Plan

- **Lab Objective**

  For students to be aware of where they stand with their credits and their credit requirements.
- **Statement of pre-requisite skills needed** (i.e., vocabulary, measurement techniques, formulas, etc.)

  *Read a problem and decide what is given and what is to be found.
  *Develop a plan for solving the problem.
  *Carry out your plan to solve the problem.
  *Check the answer and decide if it is reasonable.
- **Vocabulary**

  N/A for this lesson
- **Materials List**

  *List of credit requirements,
  *List of their current credits,
  *And a form for them to fill out with what they need to complete their requirements to graduate.
  ADDITIONAL – If time allows
  *List of Local College Requirements (2 yr., 4 yr., & Technical) Or allow students to explore online.
- **GLEs (State Standards) addressed**

  Math: 2.1.1
  - 2.1.2 Determine what information is missing or extraneous. W
  - 2.1.3 Identify what is known and unknown in complex situations. W
  - 2.2.1 Select and use relevant information to construct solutions. W
  - 2.2.2 Apply mathematical concepts and procedures from number sense, measurement, geometric sense, probability and statistics, and/or algebraic sense to construct solutions. W
  - 2.2.3 Apply a variety of strategies and approaches to construct solutions. W
  - 2.2.4 Determine whether a solution is viable, is mathematically correct, and answers the question(s). W
  - 5.3.2 Understand that mathematics is used in many occupations or careers.

- **Leadership Skills**
  *See Leadership Point Sheet – required for class
- **SCAN Skills/Workplace Skills**
  Information: Acquires and uses information
  A. Acquires and Evaluates Information
  B. Organizes and Maintains Information
  C. Interprets and Communicates Information
  D. Uses Computers to Process Information
- **Set-up information**
  *I will need to communicate with the counseling office to get printouts for each individual student that shows their current listing of credits.
- **Lab organization**(-Grouping/leadership opportunities/cooperative learning expectations; -**Timeline required)**
  *Individual Lab
  *Students could get together in groups to discuss college information.
- **Teacher Assessment of student learning** (scoring guide, rubric)
  *Student will turn in their form that they filled out that shows what credits/classes they need to graduate.
- **Summary of learning** (to be finished after student completes lab)
  -discuss real world application of learning from lab
  -opportunity for students to share/present learning
  *Are they aware of what they need to graduate?
  *Great opportunity for students to explore and share with the group what an individual college requires.
- **Optional activities**
  *Internet search on the college of their choice for entrance requirements.
- **Career Applications**
  *All careers need problem solving skills.

LAB TITLE: Are you ready to Graduate?
STUDENT INSTRUCTIONS:

- **Statement of problem addressed by lab**
  Are you ready and on track to graduate from SHS?

- **Grouping instructions and roles**
  Individual – students will need to figure out their own credits.

- **Procedures** – steps to follow/instructions
  1. Go over the printout from the Counseling Office that shows each individuals credits.
  2. Go over their graduation requirements that appear in their student handbook.
  3. Have them fill out what classes/credits they need to graduate.
  4. If time check out which college they are interested in to see what the entrance requirements are.

- **Outcome instructions**
  Turn in the form that shows what classes they still need.

- **Assessment instructions** (peer-teacher)
  Teacher

Lab Data Collection

Student: _____ Date: _____

Unit: _____

Lab Title:

Criteria: Write the problem/objective in statement form

Data Collection: Record the collected/given data

Calculations: Complete the given calculations to solve for an answer(s)

Summary Statement:

Other Assessment(s)