

OPTIONAL LESSON #3 - WHERE IS PHLEGM???

Suggested Teaching Strategies

- This optional logic puzzle can be used as an enrichment activity for students done their work early.
- Students use clues, powers of deduction, and a chart to solve a tricky problem.
- This puzzle is quite tough and clues may have to be supplied to help out the students.
- Two puzzles have been included, the first one being a little easier than the second.

Answer

	Drums	Base Guitar	Lead Guitar	Keyboards	Lead Singer	Backup Singer
Phlegm	×	✓	×	×	✓	×
Slice	✓	×	×	×	×	×
Slime	×	×	✓	×	×	×
Slush	×	×	×	✓	×	✓



ASSIGNMENT #5 - ACCOUNTANT

Student Objectives

- students will apply math skills to a simulated real-life experience

Student Activities

- students will estimate and calculate expenses, revenues, and profits of a rock concert held at a local stadium
- students will justify each calculation, show work

Suggested Teaching Strategies

- have student come up with all the possible expenses and revenues involved with a rock concert
- put items into two groups, Revenue/Expenses

Revenue:

Ticket sales
T-Shirt sales
Poster sales

Expenses:

Security expenses
Building rental
Travel cost
Accommodation
Equipment workers (Roadies)
Other expenses

- marks will be given for sensibility of estimates
- calculation of net profit is to be included as a final figure

Some reasonable guidelines for their budget are:

Ticket prices \$36.00
T-shirt prices \$18.00
Posters \$5.00

100 security guards
20 Roadies
Hotel Cost \$70.00 per night

COUNTDOWN TO EXCELLENCE

WHAT IS IT?

Countdown to Excellence is an innovative approach to evaluation in education. The *Countdown to Excellence* method motivates students and empowers students to achieve their full potential.

HOW DOES IT WORK?

The teacher determines how many marks each assignment or project should be worth. Simple assignments are given less value (10-20 marks), and major projects are valued higher (25-50 marks). The total number of marks available should total 100. When an assignment is handed in, marks are deducted from the total of 100.

The following is an example of how *Countdown to Excellence* might be used for a unit on sculpture.

SCULPTURE UNIT		STUDENT NAME _____	
ASSIGNMENT OR PROJECT	MARKS ASSIGNED	MARKS DEDUCTED	RUNNING TOTAL
Soap Carving Possible 10 Marks	8/10	2	98%
Newspaper Figures Possible 15 Marks	14/15	1	97%
Paper Mache Mask Possible 25 Marks			
Clay Sculpture Possible 50 Marks			
SCULPTURE UNIT		TOTAL _____%	

This student receives an 8 out of 10 on the first assignment which means that 2 marks are deducted leaving a running total of 98%. In an attempt to maintain this high mark, students put extra effort and care into their remaining assignments. Fewer marks deducted means a higher final score ... *A Countdown to Excellence*.

WHERE IS PHLEGM???

NAME: _____

There are four members of a band called "Phlegm and the Mucus". Phlegm is the leader, while band members Slice, Slime and Slush make up "The Mucus". The four instruments played are Lead Guitar, Base Guitar, Keyboards and Drums. (not in order) Two members of the band do all the singing with one person singing lead, the other singing harmony backup.

Your job is to use the clues to figure out:

- 1) what type of instrument each band member plays
- 2) who are the singers
- 3) where each band member is located on the stage.

To use the chart, put an "X" in a space that is not true and a checkmark in a space that is true.

CLUES

1. Slush does **not** play base guitar.
2. The keyboard player sings harmony and stands on the drummers's left.
3. Phlegm plays some type of guitar and is the lead singer.
4. The lead guitar player doesn't sing since his voice sounds like fingernails scraping a chalkboard.
5. The keyboard player has only one vowel in his name.
6. Slice does **not** play lead guitar.
7. The drummer is located at the back of the stage and is on a riser because he can't see over the base player.

	Drums	Base Guitar	Lead Guitar	Keyboards	Lead Singer	Backup Singer
Phlegm						
Slice						
Slime						
Slush						

When you have solved the puzzle, you can draw the band members on the stage in the correct locations.