**Higher Order Thinking Skills (HOTS) Presentation Excerpt**

**Protocol**

After the students in the five classes completed the project they were given the same questionnaire. The questions used as follows:

1 I think it is **beneficial** to use Chapter 9 Reviews Cards only.

Least 1 2 3 4 5 Most

2 I think it is **beneficial** to use Chapter 9 Review Cards and selections 9.1, 9.2, 9.3

Least 1 2 3 4 5 Most

3 I think it is **beneficial** to use Chapter 9 Review Cards, selections 9.1, 9.2, 9.3, and critical thinking group project

Least 1 2 3 4 5 Most

4 I think it is **most beneficial** to use Chapter 9 Review Cards only.

Least 1 2 3 4 5 Most

5 I think it is **most beneficial** to use Chapter 9 Review Cards and selections 9.1, 9.2, 9.3

Least 1 2 3 4 5 Most

6 I think it is **most beneficial** to use Chapter 9 Review Cards, secretions 9.1, 9.2, 9.3, and critical thinking group project.

Least 1 2 3 4 5 Most

7 I **strongly recommend** Chapter 9 Review Cards only.

No 1 2 3 4 5 Yes

8 I **strongly recommend** Chapter 9 Review Cards and selections 9.1, 9.2, 9.3

No 1 2 3 4 5 Yes

9 I **strongly recommend** Chapter 9 Review Cards, selections 9.1, 9.2, 9.3, and critical thinking group project

No 1 2 3 4 5 Yes

10 The **purposes** of Chapter 9 Review Cards about critical thinking were clear to me

No 1 2 3 4 5 Yes

11 The **purposes** of the Chapter 9 critical thinking project were clear to me

No 1 2 3 4 5 Yes

12 I would **rate** the critical thinking group project

Low 1 2 3 4 5 High

13 I have **gained understanding and knowledge** about the topic of the critical thinking project.

Little 1 2 3 4 5 Much

**Data Analysis**

Mettetal (2001) suggests that the researcher should look for findings with practical significance when analyzing data. The data revealed:

1 I think it is **beneficial** to use Chapter 9 Reviews Cards only.

Least 1 2 **3** 4 5 Most

2 I think it is **beneficial** to use Chapter 9 Review Cards and selections 9.1, 9.2, 9.3

Least 1 2 3 **4** 5 Most

3 I think it is **beneficial** to use Chapter 9 Review Cards, selections 9.1, 9.2, 9.3, and critical thinking group project

Least 1 2 3 4 **5** Most

4 I think it is **most beneficial** to use Chapter 9 Review Cards only.

Least 1 **2** 3 4 5 Most

5 I think it is **most beneficial** to use Chapter 9 Review Cards and selections 9.1, 9.2, 9.3

Least 1 2 3 **4** 5 Most

6 I think it is **most beneficial** to use Chapter 9 Review Cards, secretions 9.1, 9.2, 9.3, and critical thinking group project.

Least 1 2 3 4 **5** Most

7 I **strongly recommend** Chapter 9 Review Cards only.

No **1** 2 3 4 5 Yes

8 I **strongly recommend** Chapter 9 Review Cards and selections 9.1, 9.2, 9.3

No 1 2 **3** 4 5 Yes

9 I **strongly recommend** Chapter 9 Review Cards, selections 9.1, 9.2, 9.3, and critical thinking group project

No 1 2 3 4 **5** Yes

10 The **purposes** of Chapter 9 Review Cards about critical thinking were clear to me

No 1 2 3 4 **5** Yes

11 The **purposes** of the Chapter 9 critical thinking project were clear to me

No 1 2 3 4 **5** Yes

12 I would **rate** the critical thinking group project

Low 1 2 3 4 **5** High

13 I have **gained understanding and knowledge** about the topic of the critical thinking project.

Little 1 2 3 4 **5** Much