Engaging Science Students through Inquiry-Based Learning

AGENDA
Day 1

Facilitators: Dr. Ijeoma Otigbuo and Dr. Janice Keyser

Teaching Science through Inquiry

- **Inquiry as a Learning Goal**
- **Inquiry as a Teaching Method**

The End Results Focus

Challenging Students through Higher Order Thinking Skills

- **Bloom's Taxonomy**
- **Questioning Strategies**
- **Problem Based Learning/Case Studies**

Developing an Inquiry-Based Laboratory Activity

Closure: Reflections and Assessments

Education is the progressive discovery of our ignorance.
- Will Durant -

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DAY 2

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Instructional Portfolios

- **What?**
- **Why?**
- **How?**

Graphic Organizers - Forms and Functions

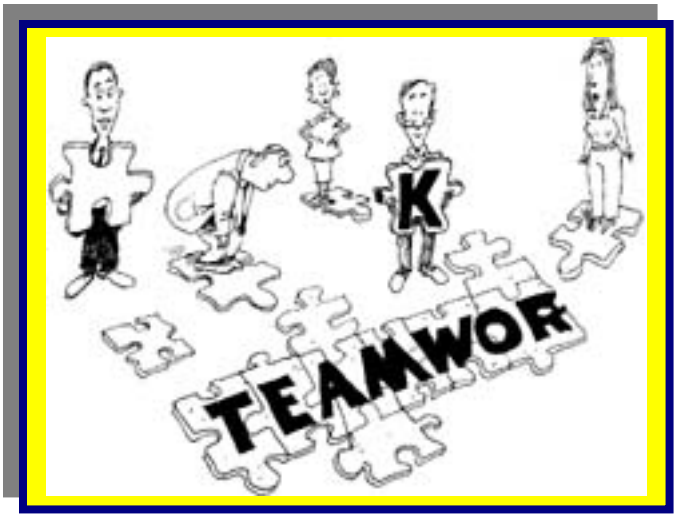
Assessing Student Knowledge (Rubrics)

Working Together to Achieve Success

Closure: Reflections and Assessments

Curiosity is one of the permanent and certain characteristics of a vigorous mind.

-Unknown -



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DAY 3

Determined people working together can do anything.
Jim Casey, Founder of UPS

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Interactive Discussion

- **Where we are**
- **What we Need**

Collaborative Learning - What? Why? How?

Working Together to Achieve Success

Closure: Reflections and Assessments

The three great essentials to achieve anything worthwhile are first, hard work; second, stick-to-itiveness; third, common sense."
– Thomas A. Edison –