

STAFF DEVELOPMENT COMPONENT INFORMATION

COMPONENT TITLE: Implementation of Technology Strategies for Low Achieving Students

IDENTIFIER NUMBER: 3003024

MAXIMUM POINTS: 60

General Objective:

This component is designed to provide participants with technology interventions that will enable struggling students to participate successfully in the curriculum.

Specific Objectives:

As a result of this component and within its duration, participants will:

1. Identify various file formats used in publishing e-books and the advantages and limitations of each format.
2. Demonstrate the ability to select appropriate technology applications that enable low achieving students to participate effectively in the curriculum.
3. Identify specific target populations for whom the technology will be used.
4. Demonstrate the ability to develop lesson plans incorporating appropriate technology applications for access to the curriculum.
5. Demonstrate the ability to apply strategies that encourage low achieving students to research information.
6. Demonstrate the ability to evaluate appropriate reading levels of curriculum.
7. Demonstrate the ability to modify the science and social studies curriculum to increase participation.
8. Identify techniques to improve fluency in students with low reading proficiency.
9. Demonstrate the ability to select resources on the web for providing exposure to classic literature.
10. Demonstrate techniques for decreasing error rate in students' written work.
11. Demonstrate the ability to select strategies to improve the quantity of student written work.
12. Design effective assessment instruments that measure student gains in content knowledge.

Delivery Procedure

Participants will participate in professional development opportunities which include:

1. demonstration/observation
2. hands-on experience with computers in applying technology to web-based information and digital textbooks.
3. group discussion
4. web-based sessions

Evaluation of Participants

1. Implementation of course objectives will be verified by examining teacher and student log-in on each school's server.
2. Submission of course content for student participation
3. Preparation of lesson plans targeting implementation of strategies presented in the professional development.
4. Enrollment data for on-line follow-up
5. Submission of assessment designed to measure student achievement

Follow-Up Procedures

1. Examination of student enrollment in software
2. Participation in on-line modules
3. Participation in study groups and evaluation sessions
4. Site-visits to provide tech and instructional support

Component Evaluation

Participants and instructors will assess the degree to which the training's objectives have been met and make recommendations for revisions through a component evaluation