

Bluebee Pal: Enhancing Learning Through Innovative Technology



Lesson Title:

Documenting the Steps
in a Science Experiment

Lesson Topic:

Science

Target Population:

Preschool and Primary
Grades - Mainstream or
Exceptional Education

Next Generation Science Standards: Ask questions, carry out investigations, and analyze and interpret data

Common Core Standards for Speaking and Listening: Presentation of Knowledge and Ideas

Specific 21st century skills:

- Collaboration: Pairs of students will work together to perform and document a science experiment.
- Communication: Students will communicate and interpret data collected a science experiment.
- Critical Thinking: Students will conduct experiment to answer questions
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App Resources:

- Wikids: <http://kidkedoo.com/>
- Catch the Science Bug : <http://sciencebug.org/>
- Sid's Science Fair: <https://www.common sense media.org/app-reviews/sids-science-fair>

Instructional Practice

Vocabulary: Experiment, observe, question, result, data.

Materials: Depend upon science experiment selected.

Lesson Instruction:

- • **Introduction:** Connect to previous lessons addressing the components of a science experiment, including the relevant vocabulary.

- **Teaching:**
 - Bluebee the Teacher presents steps for a simple science experiment, while connected to a computer and Smart Board.
 - Formulate a question
 - Make a prediction
 - Select necessary materials
 - Perform the experiment step-by-step
 - Answer the question

- **Student Engagement Activities/Learning Experiences:**
 1. Pairs of students perform the experiment.
 2. Students record their question, prediction, observations and result.
 3. Students listen to the Bluebee Pal “read” their recording to evaluate if all important information is included.

- **Sharing**
 1. Each pair of students shares their science experiment using Bluebee Pal recording with the class.

- **Assessment:**
 1. Teacher observes for collaboration and completion of assignment
 2. Teacher evaluates student performance through recording.

- **Additional Notes/Resources/Background Information/Connections:**
 - This should not be the students' first experience with the Bluebee Pal. They should already be familiar with this educational device and its procedures.
 - Evidence-Based Practice White Paper