

SCIENCE LESSON PLAN FORMAT

TITLE: self-explanatory

Make sure you tell me what grade this is for!

GOALS:

List overall goals. What do YOU, as the teacher, set up for students to learn?

Example: A scale model will be created and analyzed to give children the scope, sizes and distances of planets in the solar system.

LEARNING OBJECTIVES: See examples of learning objectives and definitions of process skills below

- ❖ Include process skills but be specific. What will the STUDENTS be able to do/demonstrate as a result of this lesson?
Ex. Students will be able to:
 - *measure* the scale distance of the planets in inches.
 - *contrast* the sizes of the nine planets and make generalizations.*Do not use the terms "learn" and "understand" when writing objectives - too general.*
- ❖ Include which standards are being addressed in this lesson. You must include BOTH
Illinois Learning Standards
National Science Education Standards

INSTRUCTIONAL PROCESS

❖ Prior teacher preparation

What did you have to do to get ready for this lesson? (research, purchases, organization)
Make a vertical list of materials and resources, include quantities, websites.

❖ Introduction

- Make connections between prior knowledge and experiences with what is presented.
- Find out what students' ideas are on this topic - uncover misconceptions!
- Use teaching charts, video clips, books, presentation software, instructional software, articles, tapes, overhead projector, handouts, models, etc. to accent instruction.
- Create and describe the structure for group learning (if applicable), whole class discussion, and individual work (journal, worksheet).

❖ Exploration

- Describe in detail the activity or investigation students will pursue with clear directions.
- Describe the path of inquiry or process of discovery to be followed - What questions will you ask? - LIST THEM!
- Prepare a lab sheet for students to record data, answer questions. You may either use the one provided or modify it as appropriate for your students.
- Students Predict / Explain. Then Explore and Discuss. Finally they Revise their explanations and theories.
- Conclude, share results, discuss, ask and answer questions, evaluate lesson, assess student understanding.