

An Integrated Curriculum Template for STEM

Science topic: _____

1. Science points or objectives to cover:

- A. _____
- B. _____
- C. _____

2. List 3 hands-on activity/s that you already do for this science topic:

- A. _____
- B. _____
- C. _____

3. Go through and perform each of the activities in #2 yourself. *(This gives you a better feel for how to write and present this unit of study. You can also modify it to meet your student needs and supply needs)*

4. Decide which activity/s strongly support or teach the points/objectives above.

(If any of these activities do not strongly support, find better activities and do step 3 again!)

- A. _____
- B. _____

5. Do a checklist for each activity: *(If all four blocks cannot be checked, you will need to add the missing component/s or find a better activity!)*

- Science objectives are clearly being explored
- Technology tools *(cups, tape measure, dice, computer, etc.)*
- Engineering *(Is there something being designed or made?)*
- Math is involved *(measuring, calculating, number sense)*

6. Incorporate Language Arts. Include at least two from the list.

(Here you can differentiate the unit. Higher level learners can do a research paper, while others can fill in a worksheet or a written procedure VS a log book, etc.)

- Log Book *(Sequence of events and calculations)*
- Written Procedure *(Technical writing)*
- Research paper
- Write a story about the subject matter *(any genre – science fiction is fun!)*
- Read a passage or book about the subject matter
- Group discussion of the findings
- Fill in a worksheet for the “**Scientific Method**” along with the “**STEM Process**”
(See downloads for these two worksheets)

