Biblical Worldview Integration Planner

Reference(s) ___ Pre-Algebra, Prentice Hall, 2001, Chapter 7-1 ___ **Grade** _7_

School ___ **Contact** ___ **Date** ___

1. Subject ___Math___

Teacher ___

2. Lesson or Unit Objective/Outcome

underline thinking level and (circle) *academic content*

Students will be able to solve "real world" problems using

two-step algebraic equations.

3. Lesson Plan

a) Set *[gets students "set" for learning]*

Lynne saves $45 each week. She now has $180. She plans to save for a trip to Puerto Rico. Today we're going to learn a quick way to find out how many weeks it will take for her to save $900.

b) Delivery *[outline of lesson plan]*

Use algebra tiles to demonstrate how to solve two-step equations using the problem $2x + 1 = 5$ [$2x + 1 - 1 = 5 - 1$ becomes $2x = 4$, then $2x \div 2 = 4 \div 2$ becomes $x = 2$]

Have the class solve $15x + 3 = 48$ and other equations on top of page 337.

Together, solve the problem given at the beginning of class (see "set" above).

Do problem 7, p 337 together.

c) Closing *[recap, transition or assignment, etc.]*

Have the class do exercises on page 338-339 on their own, if they appear ready,. If not, do a couple of problems together.

4. Biblical Worldview Component

How does the (academic content)

connect with the bigger picture of:

☐ GOD
☐ CREATION
X MANKIND
☐ MORAL ORDER
☐ PURPOSE

Select one.

5. Specific Biblical Truth

to be integrated

The ability to solve two-step equations is a demonstration that human beings are uniquely made in the likeness and image of God.

6. Biblical Worldview Integration Objective

TL: The students will recognize that

SBT: the ability to solve two-step equations is a demonstration that we are uniquely made in the likeness and image of God,

AC: through a lesson that requires students to give a biblically-based explanation for the human ability to solve two-step equations.

7. INTEGRATION PLAN

Ask class: "Do you know of any *animal* that has ever demonstrated the ability to solve two-step equations?"

What mental and physical skills do *you* need in order to solve a two-step equation? [recognizing abstract symbols that represent concrete things, writing such symbols, adding, subtracting, multiplying, dividing, simplifying, ordering thought…]

With respect to solving two-step equations, what separates humans from animals? [Abstract thinking and problem solving using symbols…]

Can anyone give a biblically-based, rational explanation for the disparity between people and animals that solving two-step equations demonstrates? [Gen. 1:26-28; Ps. 8…]

So, what does your ability to solve two-step equations demonstrate about yourself? [That I'm uniquely made in the likeness and image of our God who is rational and capable of abstract thought. Also, I am not an animal, etc.…]

8. Post-Lesson Comments:

INSTRUCTIONS

1. Fill in *Subject, Reference(s), Grade, Teacher, etc.* at top.
2. Determine *Lesson or Unit Objective.*
3. Outline *Lesson Plan.*
4. Select *Biblical Worldview Component.*
5. Specify *Specific Biblical Truth* to be integrated.
6. Write *Biblical Worldview Integration Objective.*
7. Determine *Integration Plan.*
8. Add *Post-Lesson Comments, if any.*

Biblical Worldview Integration Planner (back page)

Biblical Worldview Focus Question:

How does _____ **two-step algebraic equations** _____ **connect with the bigger picture of**
(the Academic Content of this lesson)

God *[the nature, character and role of God]?*
The way to solve two-step equations came from the mind of God.

Creation *[what is made and sustained by God]?*
Two-step equations remind us that we live in an intelligently designed and ordered universe.

Mankind *[who and what humans are]?*
The human ability to solve two-step equations is a demonstration that we have been uniquely made in the likeness and image of God.

Moral Order *[moral behavior and responsibility]?*
We have a responsibility before God to use two-step equations for good, and not evil.

Purpose *[the intention and meaning of all that exists]?*
Through the proper solving of two-step equations, humans can actively participate in God's First Commission to govern over the earth.

* *

- **Knowledge:** *list, tell, identify, show, label, collect, examine, tabulate, quote, name,* etc.
- **Comprehension:** *summarize, describe, associate, distinguish, estimate, differentiate, explain in their own words, discuss, articulate,* etc.
- **Application:** *apply, demonstrate, calculate, complete, illustrate, show, solve, modify, relate, change, use, classify, experiment,* etc.
- **Analysis:** *analyze, separate, order, connect, classify, arrange, divide, compare, contrast, select, determine, decipher, predict, interpret, infer,* etc.
- **Synthesis:** *combine, integrate, modify, rearrange, substitute, plan, create, design, invent, compose, formulate, generalize,* etc.
- **Evaluation:** *assess, decide, rank, grade, test, measure, recommend, convince, select, judge, defend, discriminate, support, conclude,* etc.