All About the Nelson Mathematics 7 Textbook

Created by Mr. A. Caruso

Website: www.mathk8.nelson.com/math7

USEFUL PAGES

1. Table of Contents (pp. v - xii)
- a good overview of the topics in each chapter

2. Index (pp. 505 - 510)
- to search the entire textbook for a particular topic

3. Review of Essential Skills from Grade 6 (pp. 440 - 463)
- to review topics taught last year
- links up with the chapter you are working on

4. Glossary

a. Instructional Words (pp. 464 - 465)
- definitions and explanations of terms the textbook uses for the activities and questions

b. Mathematical Words (pp. 465 - 472)
- definitions of math terms used throughout the book
- terms that are in bold will have definitions in this section

5. Answers (pp. 472 - 504)
- to check your solutions when you are practising your work

CHAPTER & LESSON LAYOUT

Every chapter follows the same format (see Fig. 1).

Every lesson has three parts:

Before (Introduction)
During (Learning)
After (Consolidation)

There are three types of lessons throughout the textbook:

Guided Activity
Direct Instruction
Exploration

There are optional activities as well:

Math Game
Curious Math
Mental Math
Mental Imagery

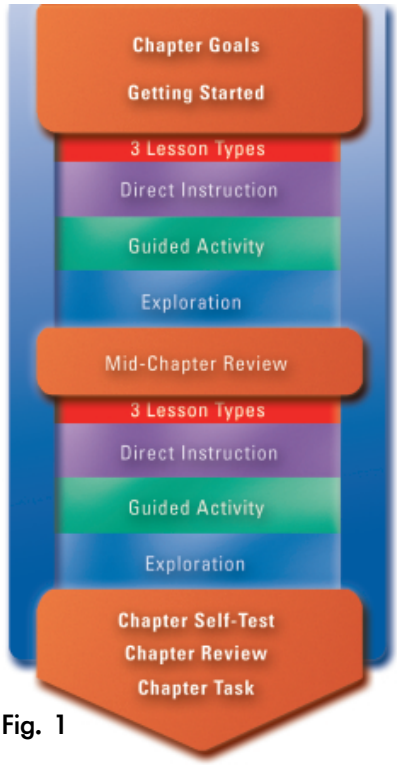

Fig. 1

COLOUR HEADINGS

1. **Green - Guided Activity:**
   - prompted lessons that lead students through a problem allowing for individual inquiry, leading to a common solution

2. **Purple - Direct Instruction:**
   - lessons that follow a specific model that teach a specific procedure or strategy

3. **Blue - Exploration:**
   - full-class problem-solving lessons which allow students to explore their own strategies, their own thinking, and their own solutions

4. **Red - a. Getting Started:**
   - a quick review and introduction to the chapter

   b. Mid-Chapter Review:
   - a review of what students have learned midway through the chapter

   c. Chapter Review:
   - end of chapter review with a self-test, frequently asked questions, and a chapter task

5. **Orange - a. Math Game:**
   - a game related to the topic taught in the chapter

   b. Curious Math:
   - interesting activities and problems for students who enjoy looking at things from different angles

   c. Mental Math:
   - activities to strengthen basic math skills

   d. Mental Imagery:
   - activities that develop mental visual skills

6. **Yellow - Math in Action:**
   - connecting the math concepts taught to a real life career