Table of Contents

INTRODUCTION	
Thinking Skills and Key Concepts	iv
Program Design	
Instructional Methods	
Description of Chapters	
Guide to Using the Lesson Plans	
LESSON PLANS	
CHAPTER ONE - DESCRIBING COLORS	
Which Thing Is Red?	1
Which Thing Is Orange?	
Which Thing Is Yellow?	
Which Thing Is Green?	
Which Thing Is Blue?	
Which Thing Is Purple?	
Which Thing Is Brown?	
Which Thing Is Black?	
Which Thing Is White?	
3 - 1	
CHAPTER TWO - DESCRIBING SHAPES	
Describing Colors	9-10
Describing Circles	
Describing Triangles	
Describing Squares	
Describing Rectangles	
Describing Hexagons	
Describing Colors and Shapes	
Combining Shapes	
Describing Size	
Drawing Pictures	
· ·	
CHAPTER THREE - COMPARING SHAPES	
Which Shape Does Not Match the Block?	
Matching Shapes by Shape and Color	
Matching Shapes	
Comparing Size	
Compare How Shapes Are Different	
Above and Below	
A Pattern of Blocks	
Which Color Comes Next?	
Which Shape Comes Next?	38
CHAPTER FOUR - GROUPING SHAPES	
Describing a Group	39-40
Which Shape Does Not Belong?	

Describing a Group - Adding a Shape	43
Sorting Blocks	44-45
CHAPTER FIVE - THINKING ABOUT FAMILY MEMBERS	
Teaching Suggestions	46
Describing Family Members	
Family Members That Are Alike	
Male or Female?	
Adult or Child?	
Mental Model of a Family Member	
CHAPTER SIX - THINKING ABOUT LIVING THINGS	
Teaching Suggestions	55
Describing Living and Non-Living Things	
Kinds of Living Things	
Describing Animals	
Describing How Animals Move	
Describing the Size of Animals	
Animals That Are Most Alike	
Kinds of Animals	
Mental Model of an Animal	
CHARTER CEVEN. THINKING AROUT FOOD	
CHAPTER SEVEN - THINKING ABOUT FOOD	7.4
Teaching Suggestions	
Describing FoodsSimilar Foods	
Kinds of Food	
Mental Model of a Food	
Wertal Woder of a Food	03
CHAPTER EIGHT - THINKING ABOUT JOBS	
Teaching Suggestions	84
Describing Jobs	
Describing Vehicles	
Describing Jobs and Vehicles	87-88
Describing Buildings	
Describing Jobs and Buildings	
Similar Jobs	
Kinds of Jobs	94-95
Mental Model of a Job	95
CHAPTER NINE - THINKING ABOUT SENSES	
	06
Teaching Suggestions	
Using Your Ears	
Using Your Nose	
Using Your Skin	
Using Your Tongue	
What Do You See, Feel, or Smell?	
What Do You See, Feel, or Sillell?	102

THINKING SKILLS AND KEY CONCEPTS

GOALS

- · Improve young children's vocabulary development, observation skills, listening and speaking skills
- Clarify thinking processes required for content learning (describing, identifying similarities and differences, sequencing, and classifying)
- Improve students' readiness for kindergarten regarding basic mathematics, social studies and science concepts, and skills

THINKING SKILLS INSTRUCTION

Describing Shapes

Naming shapes, finding shapes to match a description, and describing characteristics of a shape

Figural Similarities and Differences

Matching and combining shapes

Figural Sequences

Recognizing and showing the next figure in a pattern

Figural Classification

Forming groups by shape or color

Describing Things

Matching a picture to a description, describing people or objects shown in pictures

Verbal Similarities and Differences

Selecting similar family members, occupations, food, and animals, and explaining how they are alike or different

Verbal Classifications

Explaining characteristics of a group, exceptions, and sorting objects into groups

CONTENT OBJECTIVES

MATHEMATICS OBJECTIVES Properties of polygons

Naming polygons, observing sides and angles, stating the properties of common polygons

Reading and writing mathematical terms

Recognizing and using geometry, ordinal, and directional words

Pattern Recognition

Recognizing sequential patterns

SOCIAL STUDIES CONCEPTS Family members

Age, gender, relationships

Occupations

Identifying jobs, vehicles workers use, and buildings where they work

SCIENCE CONCEPTS Living or Non-Living Things

Life cycle, reproduction, and food needs

Plants or Animals

Make or eat food, reproduction, and movement

Animals

Hatch or live birth, locomotion, size, body covering

Using Senses

Vision, hearing, taste, touch, and smell

METHODS TO IMPROVE THINKING AND LEARNING

DIRECT INSTRUCTION

Prior knowledge, objective, practice, metacognition, and application

DEVELOPMENTAL FORMS

Concrete (manipulatives and pictures), semi-concrete (student book), abstract (discussion)

COOPERATIVE LEARNING

Paired problem solving, and think/pair/share

WHOLE SENTENCE RESPONDING

In thinking skills lessons, students speak in whole sentences.

MENTAL MODELS

Lessons develop mental models of basic mathematics, social studies, and science concepts.

LANGUAGE INTEGRATION ACTIVITIES

Developmental tasks including drawing projects and discussing picture books

PROGRAM EVALUATION

- Student performance on early-learning standards for four year olds
- Student performance on vocabulary assessments

Page 6: WHICH THING IS BLUE?

LESSON

Stating the Objective:

Teacher Comment: In this lesson, you will find the blue object in each row.

Conducting the Lesson:

Teacher Comment: The first row shows three vehicles: a bus, a truck, and a ship. Which vehicle is blue?

Student Response: The truck is blue.

Teacher Comment: Circle the picture of the truck.

Teacher Comment: The second row shows three signs: a handicapped sign, a stop sign, and a hospital sign. Which sign is blue?

Student Response: The handicapped sign is blue.

Teacher Comment: Circle the picture of the handicapped sign.

Teacher Comment: The third row shows three vehicles: a bicycle, a train, and a car.

Which vehicle is blue?

Student Response: The bicycle is blue.

Teacher Comment: Circle the picture of the bicycle.

Thinking About Thinking:

Teacher Comment: What did you think about to find the right color?

Student Response:

- 1. I looked at the blue box.
- 2. I looked for the same color.
- 3. I named the thing that is the same color.

Personal Application:

Teacher Comment: When do you have to name a color?

Student Response: I name a color to ask for food, toys, or clothes.

Page 7: WHICH THING IS PURPLE?

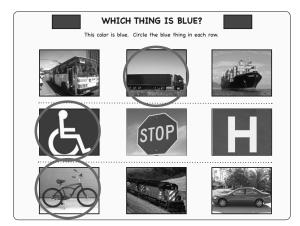
TEACHING SUGGESTION

Many young children may not know that cabbages and onions can be purple. Show a purple
cabbage or onion, or read a picture book that shows purple vegetables before teaching this
lesson.

LESSON

Stating the Objective:

Teacher Comment: In this lesson, you will find the purple object in each row.



CHAPTER FOUR - GROUPING SHAPES (Pages 49-56)

CURRICULUM APPLICATIONS

Language Arts: Decoding in reading readiness; recognizing sentence types from punctuation

marks; forming letters

Mathematics: Recognizing properties of polygons

Science: Grouping natural objects by shape (leaves, fish, shells, etc.)

Social Studies: Identifying road signs from their shape

Page 50: DESCRIBING A GROUP

LESSON

Introduction:

Teacher Comment: We have described shapes by their size and color.

Stating the Objective:

Teacher Comment: In this lesson, you will match a

shape to its group.

Conducting the Lesson:

Teacher Comment: The first shape is a red square. In which group does it belong?

Student Response: It belongs in the group of

squares.

Teacher Comment: Trace the dotted line from the red square to the group of squares.

Teacher Comment: In which group does the yellow circle belong?

Student Response: The yellow circle belongs in the

group of circles.

Teacher Comment: Draw a line from the yellow circle to the group of circles.



Student Response: The blue hexagon belongs in the group of hexagons.

Teacher Comment: Draw a line from the blue hexagon to the group of hexagons.

Thinking About Thinking:

Teacher Comment: What did you think about when you decided the group that the shape fit?

Student Response:

- 1. I looked at the shape of the first block.
- 2. I looked at the groups to see which was the same.
- 3. I checked that it did not fit the other groups.

Personal Application:

Teacher Comment: When do you group objects by shape, color, or size?

Student Response: I group things when I put away forks and spoons or when I put away toys.

