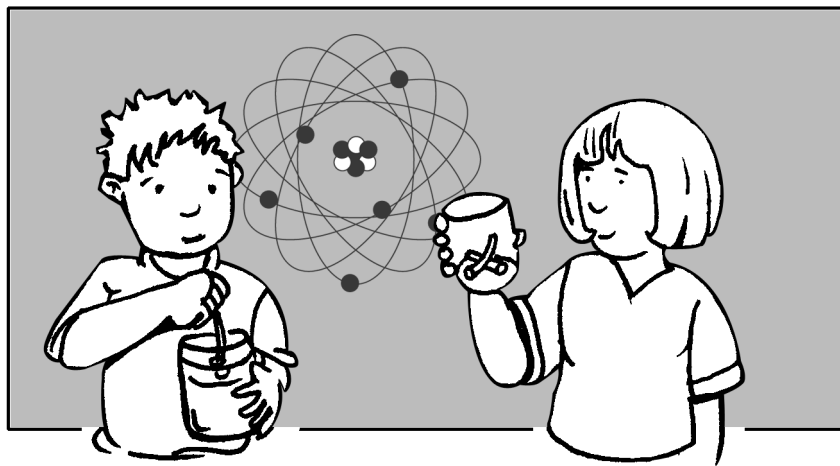


Science

VELS Student Workbook

Year 4

Level 3



STUDENT WORKBOOK

Sandra Bishop

Introduction

The work sheets in this book are designed to be used in conjunction with *Science: Teaching and Assessment Resource – Year 4*, but may also be used separately. The work sheets correspond with the activities detailed in the week-by-week lesson plans in *Science: Teaching and Assessment Resource – Year 4*. These lesson plans also list any resources required (most of which can be easily found around the classroom or at home) and list objectives, skills and assessment suggestions. Some lesson plans also include extension activities.

This student workbook encourages active student participation, and helps develop a wide range of skills such as discussing, analysing, hypothesising and cooperating. It also serves as a record of each student's observations and provides an outline of how each student's scientific knowledge has developed.

Contents

Earth & Space

What is a Scientist?.....	7
Weathering	8
Soil Erosion	11
Caring for the Land.....	12
The Rotating Earth.....	14
The Solar System.....	15
Time.....	16
Constellations	17
The Stars	19
Moving Stars	20
Star Facts	21
Earth & Space Research Project	22

Matter

Reversible & Irreversible Change	24
Recycling Research Project.....	26
Evaporate & Condense	29
Evaporation	31
Water Cycle	33
Crystals	35
Climbing Salt Crystals	37
Matter	38
Solids, Liquids & Gases	39
What's the Matter?	40
Investigating Solids	41
Microscopic Solids	42
Investigating Liquids	43
Microscopic Liquids.....	44
Investigating Gases	45
Shaping Solids	46
Shaping Liquids	47
Shaping Gases	48

Forces and Motion

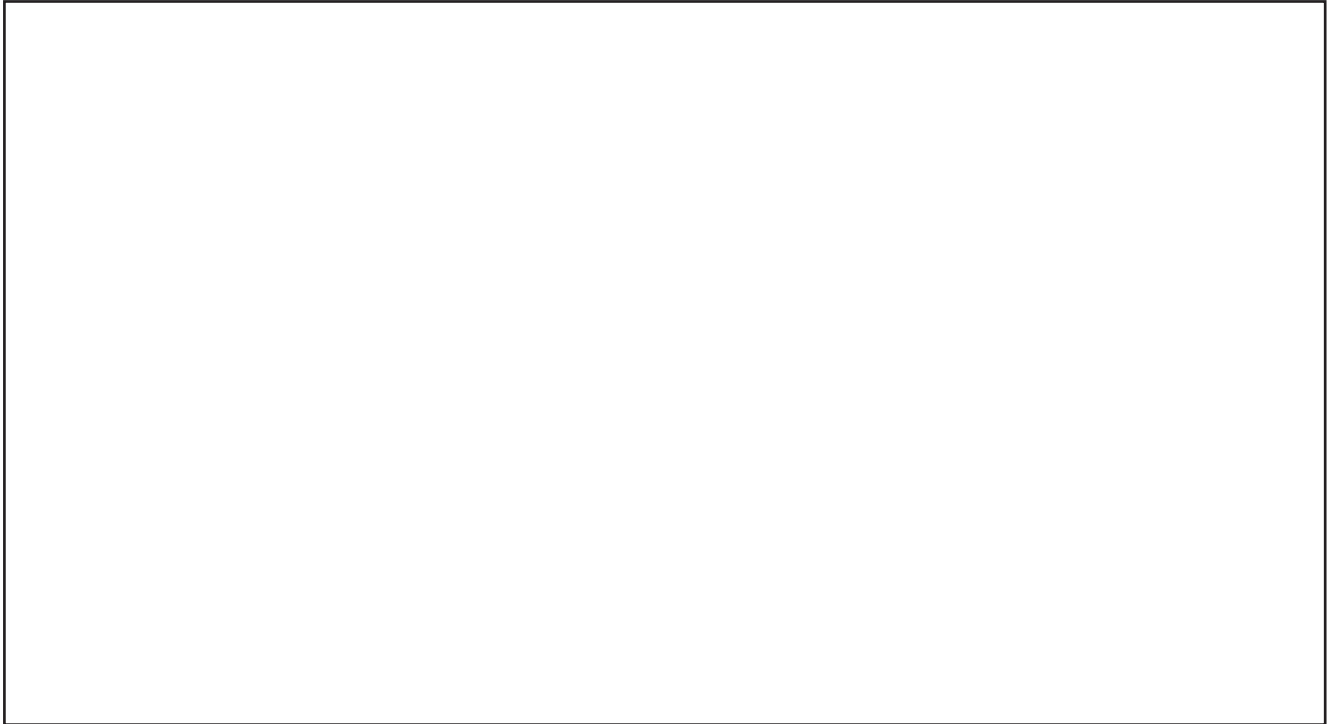
Energy	49
Kinetic Energy Transfer	50
Sound Energy Transfer	51
Energy Sources	52
Torches	53
Light	55
Light Globes	56
Tinkering	57
Sound & Light Research Project	58
Force.....	60
Air & Water Research Project	61
Flotation	63
Magnets	64

Living Things

Playground Habitats	66
Habitat Research Project	67
Abiotic & Biotic Factors	69
Endangered.....	70
Extinction.....	71
Endangered Species Research Task	72
Extinct Species Research Task	73
Endangered or Extinct	74
Biological Definitions	75
Skeletal & Muscular Systems	76
Respiratory System.....	77
Digestive System	78
Circulatory System	79
Plants	80
Leaves	82
Roots.....	83
Plant Parts	84
Plant Questions	86

Constellations

Draw and name the constellation that you are investigating.



Use the space below to record notes as you research your constellation.



Water Cycle

What is a cycle?

Complete the diagram of the water cycle by adding the arrows and labelling it appropriately.

