

Print



Grades 3–8

by Jim Holland
& Gaby Krumm

Cut

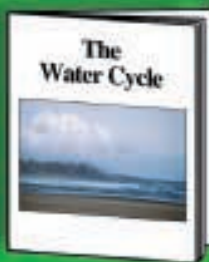


Fold



Creative technology projects for

SCIENCE



VISIONS
TECHNOLOGY IN EDUCATION

PUBLISHER OF QUALITY EDUCATIONAL PRODUCTS

60 exciting, hands-on activities and projects using Microsoft Office.

Print, Cut, and Fold

Creative Technology Projects
for Science — Grades 3-8

Jim Holland
Gaby Krumm

National Edition



PUBLISHER OF QUALITY EDUCATIONAL PRODUCTS

About the Authors

Jim Holland

After graduating with a B.S. in Biology from the University of Texas at Arlington, Jim taught junior high science and industrial technology. He now serves the Arlington ISD as an instructional technology specialist. He holds a M.S. degree in Computer Education and Cognitive Systems from the University of North Texas.

Gaby Krumm

Gaby has a B.A. in Elementary Education and a B.A. in German from the University of Texas at Arlington. She taught kindergarten in Dallas, Texas and taught fourth grade for ten years in Arlington, Texas. She then joined the Arlington ISD Instructional Technology Department in 1996 as an Instructional Technology Specialist. Gaby received her Master of Education from North Texas State University.

Table of Contents

Organization of this book	1
Why <i>Print, Cut, and Fold Works</i>	2
Organization of this CD-ROM	3

Graphics Manipulation Quick Reference Sheets

Rotate a Picture or Clipart	5
Moving a Graphic	6
Insert Picture From File	7
Align Objects	8
Order Objects	9
WordArt	10
Insert Clip Art	11
Adding Gradient Fill to an Object	12
Copy and Paste	13
Saved a Project	14
Insert Shapes	15
Print a PowerPoint Project	16

Activity Types and Instructions

Cascading Flip Book	17
Clue Squares	19
Contrast Squares	21
Dioramas	23
Fan Deck	25
Filmstrip	27
Flap Books	29
Folding Venn Diagram	31

Halo	33
Mini-Book	35
Pocket Portfolios	37
Post Cards.....	39
Pyramid	43
Stretch Book.....	45
Study Cards.....	47
Tabbed Books	51
Towers.....	53

General Science Lesson Plans

Scientific Method Stretch Book	55
Lab Safety Cascading Flip Book	57
Metric-Standard Contrast Square.....	59
Tools of Science Fan Deck	63
Lab Report Mini-Book.....	65
States of Matter Pyramid.....	67
Characteristics of Living Things Filmstrip.....	69
Women in Science Post Cards.....	71
Famous Scientists Clue Squares	73

Cell Biology Lesson Plans

Prokaryotic vs. Eukaryotic Folding Venn Diagram	75
Cellular Organelles Fan Deck	77
Animal Cells vs. Plant Cells Folding Venn Diagram.....	79
Mitosis Filmstrip.....	81

Human Body Lesson Plans

Movable Joints Tower	83
Neurons Flap Book.....	85
Circulation Filmstrip: The Incredible Journey	87

“Getting Swallowed: A Digestion Narrative” Mini-Book	91
Classifying Traits Pocket Portfolio	93

Zoology and Botany Lesson Plans

Levels of Organization Stretch Book	95
Taxonomy Cascading Flip Book	97
Parts of a Plant Flap Book	99
Plant Life Cycle Halo	101
Insect Bodies Flap Book	103
Butterfly Life Cycle Fan Deck	105
Animal Families Diorama	107
Animal Relatives Contrast Square	109
Dinosaur Showcase Diorama	113
Honeybee Social Structure Pyramid	115

Ecology Lesson Plans

Ecosystem Roles Pyramid	117
Consumer Diets Pyramid	119
Food Chains Halo — “The Circle of Life”	121
Terrestrial Biomes Cascading Flip Book	123
Animal Adaptations Clue Squares	125
Recycling Pocket Portfolio	127
Nitrogen Cycle Halo	131

Earth and Space Lesson Plans

Rock Types Pyramid	133
Layers of the Earth Stretch Book	135
The Four Seasons Tower	137
Earth vs. Moon Folding Venn Diagram	139
Lunar Cycle Halo	141
Layers of the Sun Flap Book	143

Comparing Eclipses Double-Diorama	145
Planets of the Solar System Mini-Book	147

Plate Tectonics Lesson Plans

Plate Boundaries Flap Book	149
Earth Forces and Landforms Pocket Portfolio	151
Volcano Types Tabbed Book	153

Energy and Motion Lesson Plans

Energy Forms Tabbed Book	155
Electromagnetic Spectrum Study Cards	157
Energy Sources Pocket Portfolio	161
Light Reflections Pyramid	165
Simple Machines Study Cards	167
Heat Transfer Pyramid	171

Chemistry Lesson Plans

Elements of the Periodic Table Fan Deck	173
Substances and Mixtures Pocket Portfolio	175
pH Study Cards	179

Weather and Erosion Lesson Plans

Water Cycle Halo	181
Layers of the Atmosphere Flap Book	183
Classifying Clouds Study Cards	185
Tornado Safety Post Cards	189
Natural Disasters Tower	191