

Print, Cut and Fold

Creative Technology Projects
for Foundation–Year 2

Jim Holland
Gaby Krumm

Table of Contents

Organisation of this book	1
Why <i>Print, Cut and Fold Works</i>	2
Downloadable Resources	4
The Australian Curriculum	5

Graphics Manipulation Quick Reference Sheets

Rotate an Object	8
Move an Object.....	9
Insert Picture From File	10
Align Objects	11
Order Objects	12
WordArt	13
Insert Clip Art.....	14
Add a Gradient Fill to an Object.....	15
Copy and Paste	16
Save a Project	17
Insert Shapes	18
Print a Project.....	19

Activity Types and Instructions

Cascading Flip Book.....	21
Clue Square.....	23
Contrast Square.....	25
Diorama.....	27
Fan Deck.....	29
Film Strip	31
Flap Book.....	33
Folding Venn Diagram	35
Halo	37
Mini-Book.....	39
Pocket Portfolio	41
Postcard.....	43
Pyramid	45
Stretch Book	47

Study Cards	49
Study Cards Envelope	51
Tabbed Book.....	53
Tower	55
Triangular Tower	57

English Lesson Plans

All About Me Diorama	59
Alphabet Fan Deck.....	63
Comparing Adjectives Pyramid	67
Compound Words Flap Book	71
Describing Words (Adjectives) Diorama	75
Homophones Study Cards	79
Nouns and Verbs Pocket Portfolio.....	85
Opposites Study Cards.....	89
Plurals Study Cards	93
Prepositions Film Strip	99
Rhyming Words Pocket Portfolio	103
Sequencing Mini-Book.....	107
Short and Long Vowels Pocket Portfolio	111
Story Elements Tabbed Book.....	115
Story Sequence Film Strip (Carving Pumpkins).....	119
Verb Tenses Pyramid.....	123
Word Beginnings Pocket Portfolio.....	127

Mathematics Lesson Plans

Basic Fractions Tower.....	131
Counting Money Cascading Flip Book	135
Maths Facts Study Cards	139
Number Words Study Cards.....	143
Place Value Flap Book	147
Shapes Mini-Book.....	151
Simple Addition Flap Book	155
Skip Counting Fan Deck	159
Time Sequence Film Strip.....	163

Science Lesson Plans

Animal Characteristics Tower.....	167
Animal Diorama	171
Animal Habitats Tabbed Book.....	175
Animals and Plants Folding Venn	179
Body Parts Tabbed Book.....	183
Colour Mixing Folding Venn	187
Five Senses Cascading Flip Book	191
Four Seasons Tower.....	195
Light Absorption Triangular Tower.....	199
Living and Non-living Pocket Portfolio.....	203
Months Film Strip	207
Plant Life Cycle Film Strip	211
Plant Parts Flap Book	215
States of Matter Triangular Tower	219
Weekly Weather Cascading Flip Book	223

Humanities and Social Sciences Lesson Plans

Careers Fan Deck	227
City, State, Country Pyramid.....	231
Continents Cascading Flip Book.....	235
Historical Biography Diorama	239
Holidays Tabbed Book.....	243
State Symbols Mini-Book.....	247
Transportation Pyramid	251
United Nations Flag Diorama.....	255
Where We Live Triangular Tower.....	259

Appendix

Clip Art, Photos and Images.....	262
References	262

Downloadable Resources

The activities in *Print, Cut and Fold: Creative Technology Projects for Foundation–Year 2* feature Microsoft PowerPoint presentations that are available for download at go.hbe.com.au. To access these resources, complete the following steps:

1. Navigate to go.hbe.com.au.
2. Locate the listing for *Print, Cut and Fold: Creative Technology Projects for Foundation–Year 2*.
3. Enter the password displayed on the imprint page of this book.

Graphics Manipulation Quick Reference Guide

The Graphics Manipulation Quick Reference Guide on pages 7–19 provides the teacher with a reproducible handout that students may use as a guide for manipulating graphics in the included projects. To compile the Quick Reference Guide, photocopy the pages, then assemble them into a Cascading Flip Book (see instructions on page 21). The assembled Cascading Flip Book can be left at each computer station, or at some other place in the computer lab, so that students can quickly reference it.

Activity Types and Instructions

For each activity type, the following reproducible resources are included:

- a template in .pptx format
- a template in .ppt format
- a completed example in .pptx format
- a completed example in .ppt format

Each resource type can be used with Microsoft Office 2013.

Lesson Plans

The teacher notes for each lesson contain a list of the downloadable resources required to complete that lesson. These resources can be found at go.hbe.com.au, organised by name according to the subject area to which they relate. Each lesson plan is packaged as a .zip file.

The Australian Curriculum

In recent years, the Australian Federal Government has been working closely with state and territory educational offices in an effort to implement a national curriculum for all Australian schools. This Australian Curriculum sets consistent national standards, in an effort to improve learning outcomes for all students, as well as laying the foundations for future learning, growth and active participation in the community.

Print, Cut and Fold: Creative Technology Projects for Foundation–Year 2 contains activities that can be used to support primary school students' learning across multiple subject areas. Each of the reproducible activities can be used to supplement instruction in Australian Curriculum: English, Mathematics, Science and Humanities and Social Sciences (Geography and History) aligned lessons. Each activity is presented with the content descriptions it best correlates to in the corresponding curriculum, allowing teachers to select the best activity for their current unit of study. While these activities have not been aligned with the Australian Curriculum, they each embody the aims of the different subject areas:

The Australian Curriculum: English aims to ensure that students:

- learn to listen to, read, view, speak, write, create and reflect on increasingly complex and sophisticated spoken, written and multimodal texts across a growing range of contexts with accuracy, fluency and purpose
- appreciate, enjoy and use the English language in all its variations and develop a sense of its richness and power to evoke feelings, convey information, form ideas, facilitate interaction with others, entertain, persuade and argue
- understand how Standard Australian English works in its spoken and written forms and in combination with non-linguistic forms of communication to create meaning
- develop interest and skills in inquiring into the aesthetic aspects of texts, and develop an informed appreciation of literature.

The Australian Curriculum: Mathematics aims to ensure that students:

- are confident, creative users and communicators of mathematics, able to investigate, represent and interpret situations in their personal and work lives and as active citizens
- develop an increasingly sophisticated understanding of mathematical concepts and fluency with processes, and are able to pose and solve problems and reason in Number and Algebra, Measurement and Geometry, and Statistics and Probability
- recognise connections between the areas of mathematics and other disciplines and appreciate mathematics as an accessible and enjoyable discipline to study.

The Australian Curriculum: Science aims to ensure that students develop:

- an interest in science as a means of expanding their curiosity and willingness to explore, ask questions about and speculate on the changing world in which they live
- an understanding of the vision that science provides of the nature of living things, of the Earth and its place in the cosmos, and of the physical and chemical processes that explain the behaviour of all material things
- an understanding of the nature of scientific inquiry and the ability to use a range of scientific inquiry methods, including questioning; planning and conducting experiments and investigations based on ethical principles; collecting and analysing data; evaluating results; and drawing critical, evidence-based conclusions
- an ability to communicate scientific understanding and findings to a range of audiences, to justify ideas on the basis of evidence, and to evaluate and debate scientific arguments and claims

- an ability to solve problems and make informed, evidence-based decisions about current and future applications of science while taking into account ethical and social implications of decisions
- an understanding of historical and cultural contributions to science as well as contemporary science issues and activities and an understanding of the diversity of careers related to science
- a solid foundation of knowledge of the biological, chemical, physical, Earth and space sciences, including being able to select and integrate the scientific knowledge and methods needed to explain and predict phenomena, to apply that understanding to new situations and events, and to appreciate the dynamic nature of science knowledge.

The Australian Curriculum: History aims to ensure that students develop:

- interest in, and enjoyment of, historical study for lifelong learning and work, including their capacity and willingness to be informed and active citizens
- knowledge, understanding and appreciation of the past and the forces that shape societies, including Australian society
- understanding and use of historical concepts, such as evidence, continuity and change, cause and effect, perspectives, empathy, significance and contestability
- capacity to undertake historical inquiry, including skills in the analysis and use of sources, and in explanation and communication.

The Australian Curriculum: Geography aims to ensure that students develop:

- a sense of wonder, curiosity and respect about places, people, cultures and environments throughout the world
- a deep geographical knowledge of their own locality, Australia, the Asia region and the world
- the ability to think geographically, using geographical concepts
- the capacity to be competent, critical and creative users of geographical inquiry methods and skills
- as informed, responsible and active citizens who can contribute to the development of an environmentally and economically sustainable, and socially just world. (ACARA 2014)

By using these activities with Australian Curriculum-aligned instruction, students will not only develop a more robust knowledge of the topics being taught, but also see how the same content can be expressed in new, innovative and exciting ways. While only the aims for Australian Curriculum: English, Mathematics, Science and Humanities and Social Sciences (Geography and History) are presented here, all of the activities in *Print, Cut and Fold* can be adapted across the curriculum to fit any subject or area of study.

The Australian Curriculum content descriptions found in *Strategies for Teaching Fractions* are taken from Foundation–Year 2, but it should always be assumed that students engage in appropriate prerequisite work prior to those year levels and meaningful review and extensions subsequent to those year levels.

While it is recommended that teachers use the content in this book with their Australian Curriculum-aligned lessons, the activities featured in *Print, Cut and Fold* can just as easily be used with other educational frameworks at the state or institutional level. For a full overview of the Australian Curriculum please visit <http://www.australiancurriculum.edu.au/>.