3-6

HANDWRITING

Teacher Resource Book

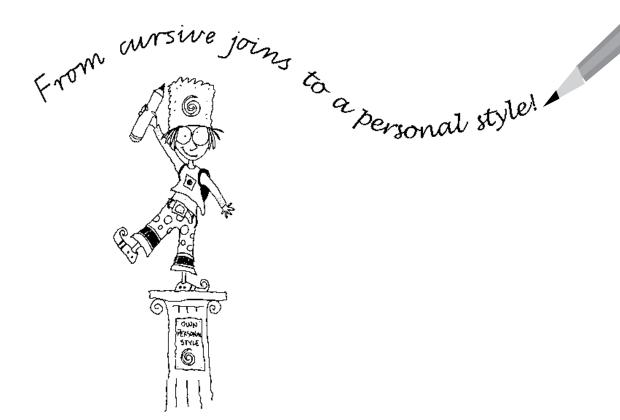
Modern Cursive



Years 3-6 Teacher Resource Book

Modern Cursive

TARGETING HANDWRITING



by Tricia Dearborn, Jo Ryan, Tim Tuck and Susan Young
Illustrated by Stephen Michael King



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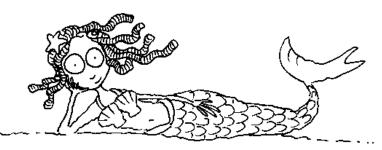
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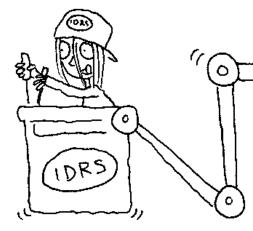
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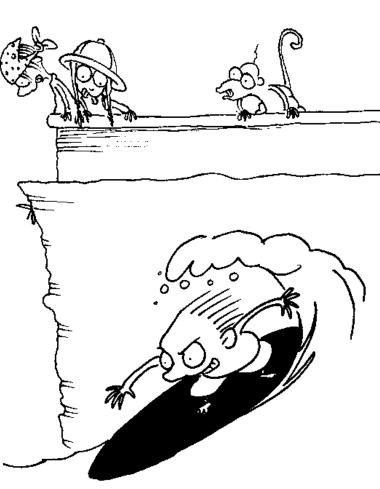
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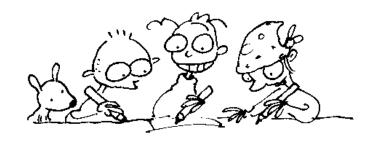
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INTRODUCTION

A legible and fluent handwriting style continues to be a fundamental skill and is highly valued in the community. The Middle and Upper Primary years are very important with regard to handwriting: during this time students need to learn the skills necessary for joined writing, practise and consolidate these skills, and begin to develop their own personal style.

THE MECHANICS OF WRITING

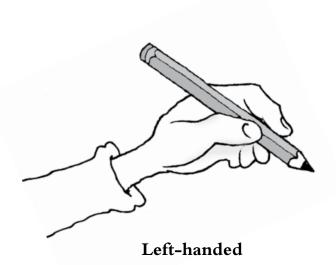
Maintaining a good pen grip, posture and paper position benefits students in several ways: it helps them to maintain relaxed writing movements and allows them to write for longer without finger, hand, wrist or arm fatigue; it gives them the best view of what they are writing (which can prevent inefficient compensatory pen grips arising); and it allows maximum control of the writing instrument.

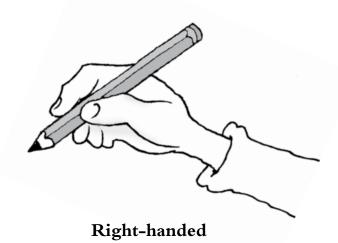


Pen grip

The most comfortable and flexible grip for many students is called the precision grip. In this grip:

- The pen is gripped between the tips of the thumb and index finger, and rests on the middle finger. The other two fingers are loosely bent or curled.
- The wrist is slightly bent, and positioned below the writing line. The fingers, rather than the wrist, control the pen movement.
- There should generally be 2-2.5 cm between the tip of the index finger and the point of the writing instrument for right-handers, and 3-3.5 cm for left-handers. The extra distance for left-handers helps them see what they are writing.





Posture

The recommended posture for writing is relaxed but upright. The weight of the student's upper body should be supported by their non-writing arm, so that the writing arm is free to move.

Check that students have furniture that suits their size, height and leg length.

If a left- and a right-hander are seated together, make sure the left-hander is seated on the left to avoid a lot of elbow bumping. Reminding left-handers to keep their elbow tucked in slightly can discourage the development of a hooked wrist when writing.

Head should not be too far forward or leaning over paper. Non-writing hand should be placed on paper to keep it steady. Weight should be supported on the non-writing side, so the other side is free to move. Back up straight, but relaxed, with the bottom at the back of the chair and the body square on to the table. Tilt the body forward from the pelvis. Both feet should be

Paper position

For the right-hander, the paper is usually best placed to the right of the body midline and angled to the left. For the left-hander, the paper is usually placed to the left of the body midline and angled to the right. The angling required will vary between students (left-handers often require a greater angle than right-handers),

flat on the floor.

and finding the best angle and position for each student may require some experimentation. When the best position has been found, a strip of masking tape placed on the desk can be a useful guide until the positioning becomes automatic.



Right-handed



Left-handed

Writing instruments

The writing instrument a student uses will affect the fluency and speed of their writing, its legibility and neatness, the amount of pressure required, the student's pen hold, and the amount the student can write comfortably without becoming fatigued.

When a student is using a writing instrument that doesn't suit them, they may develop a compensatory grip, or need to constantly adjust their grip as they write. A writing instrument that suits a student's needs can make writing more pleasurable as well as easier, and can improve as well as support good handwriting techniques.

Encourage students to experiment with a range of writing implements to determine which is the most comfortable and easy for them to use.

USING THE TARGETING HANDWRITING BOOKS IN YOUR HANDWRITING PROGRAM



A sample handwriting lesson within the literacy block

A handwriting lesson that introduces a new join could include the following:

Whole class writing focus

- **Tuning in**—A few minutes warm-up, including activities such as 'finger aerobics' or squeezing rubber 'stress balls', can be a fun way to begin a handwriting lesson, as well as helping to improve students' muscle strength and fine motor skills.
- Modelled writing—Explain to students how the join works while drawing it on the whiteboard/Smartboard, for example: 'Letters that finish with a horizontal exit—that's b, o, r, v and w—join to e with a horizontal join. The exit dips down a little to join e at its starting point. From r to e is a horizontal join [drawing the joined letter pair as you speak] . . .' Giving verbal cues for the writing movements and using consistent terminology will provide students with a good model.
- Shared writing—When learning new joins, it may be useful for you and the students to compose a text together as a class, with you verbalising the movements and modelling a competent technique.

Small groups

For student practice, have groups complete the relevant page in the *Targeting Handwriting* Student Book, or a relevant worksheet from this book, or have them copy your model. Individualised instruction can be given as you are roving around the classroom, observing students and conferencing as they write. Check for good posture, pen grip and slope of page, as well as letter and join formation. A guided writing

session, in which you sit with a small group of students, will provide the best opportunity for making observations. Students of like ability can be grouped together for a more directed handwriting focus.

Whole class share time

Students celebrate, reflect on and discuss their learning in a whole class share time. Effective use of handwriting skills can be highlighted.

The worksheets in this book

The worksheets have been set up in a progressive sequence that will provide support and extra, fun activities as students move from revising the letters with exits and entries, to joining letters, to improving their fluency and legibility, to developing their own personal handwriting style.

Roughly, Worksheets 1-15 address the handwriting skills students are likely to be working on in Year 3, Worksheets 16-30 are targeted for Year 4,

Worksheets 31-38 for Year 5, and Worksheets 39-45 for Year 6. This is only a rough guide, however. The worksheets have not been labelled with year levels, as there will commonly be a broad range of handwriting abilities within any one class.





When a student is having difficulties

Be sure to acknowledge students' skills and progress before pointing out any problem areas. If a student is having more than one main difficulty, focus on one at a time, beginning with the most important one. When the student is comfortable with that skill, move on to address the next area of difficulty.

The table on pages 13-17, Troubleshooting Handwriting Difficulties, lists many common handwriting problems, with examples, and suggests strategies that may be useful in addressing them.

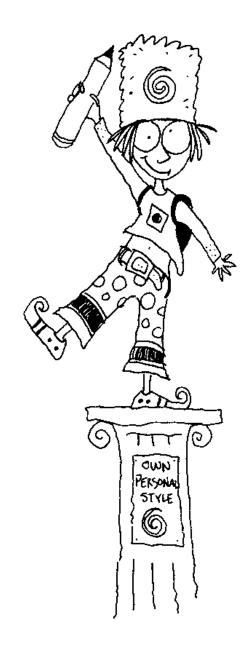
When a student has learned a different handwriting style

If a student has previously attended school in another State or country, he or she may have learned a handwriting style other than Modern Cursive. If the student has a well-developed, functional grip and handwriting style, it's best to support them in using this style. When a student's first language is not English, it can also be useful to know how the writing system works in their first language, for example the direction the script moves on the page, the use of punctuation. This can make it easier to support the student's handwriting development in English.

Using the handwriting skills checklists

The skills checklists on pages 18 and 19 can be printed, and a copy kept for each student as an ongoing record of their progress. One checklist has been provided for Years 3–4 and another for Years 5–6. Specific handwriting skills that would not be taught until Year 4 have been marked with a star in the Years 3–4 checklist.

The checklists can be added to as general observations are made, and can also be used in formal assessment. The pointers on the checklist provide a general guide for skills and behaviours to look out for when making observations, and will help you to develop a detailed profile of an individual student's achievement.



The *Targeting Handwriting*Years 3-6 Student Books

The *Targeting Handwriting* Years 3–6 Student Books have been designed to make learning cursive handwriting as easy as possible for students. New skills are introduced sequentially, so that students build on skills one by one and aren't called on to use skills that haven't been introduced yet. Wherever possible, students copy words *underneath* models, so that left-handers aren't disadvantaged, and practice of numerals and punctuation is integrated into the writing activities. The books also encourage and support student self-assessment.

Each book in the series has a specific focus:

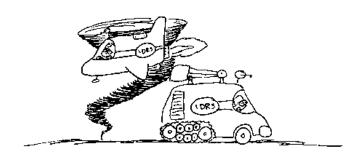
In the **Year 3 Student Book**, the focus is on **learning the basic joins**—diagonal joins, horizontal joins, touch joins and joins to ascenders—as well as learning which letters don't join. As joins are introduced, students learn and practise the techniques. Students are not expected to join letters until they have learnt the relevant join.



The Year 4 Student Book focuses on the consolidation of joining skills, and introduces print script and speed loops. In this book, students begin to assess their own letter size and spacing, spacing between words, and slope.



The Year 5 Student Book focuses on developing and improving fluency and legibility. It includes sections that focus on consolidating print script and speed loops. The teaching pages feature two sets of copying lines, for reinforcement and extra practice. The book includes practical techniques to enable students to check their letter spacing, word spacing and slope, as well as practice of common letter clusters and high frequency words. The presentation skills section includes material on flourished capitals,



headings and borders.

The Year 6 Student Book focuses on helping students develop their own personal style, while maintaining a strong emphasis on fluency and legibility. It looks at more 'mature' real-world applications of handwriting—for example, developing a signature and note-taking skills—as well as covering useful alternative letter shapes and joins. The teaching pages feature two sets of copying lines, for reinforcement and extra practice, and the presentation ideas include a section on calligraphy.



As students get older, they will encounter situations in which it is important to be able to write quickly and legibly. From Year 5, we have included speed trials in the *Targeting Handwriting* Student Books. Note that there is always a legibility assessment element—there is no point being able to write quickly if no-one, including the student, can read it!

TEACHING HANDWRITING IN YEARS 3-6

The letter families

The letters in Modern Cursive are grouped into families according to the basic movement patterns they include. The letter families are:

The i family: l, t, i and j

Clockwise letters with rounded entries: m, n, r, x and z

Other clockwise letters: h, p and k

Anti-clockwise letters: a, c, d, g and q

Other anti-clockwise letters: o, e, f and s

The u family letters: u, y, v, w and b

The *Targeting Handwriting* Year 2 Teacher Resource Book contains worksheets which may be helpful to students who need at any stage to revise letter shapes, the letter families or the basic movement patterns.

It is important that students retain a functional unjoined script while developing their skills in joined writing. It is best that students do not attempt joins until the joins have been correctly modelled.







Teaching joins

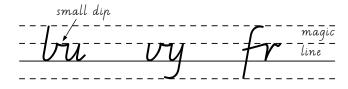
Diagonal joins

A diagonal join goes from an exit near the bottom of the letter's body up to meet the next letter. Most letters join at the top of the letter's body. Diagonal joins should go as directly as possible to the next letter, at an angle of 45 degrees. The join from q to u is also a diagonal join, although in our program this join is optional in Year 3.

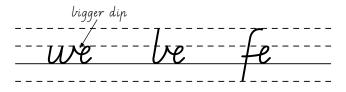


Horizontal joins

Letters that finish at the magic line—b, f, o, r, v and w—join to the next letter with a horizontal join. The joins from b, o, r, v and w should have a small dip in them to maintain fluency. The letter f joins from the crossbar.



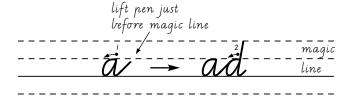
The horizontal join to e needs to have a bigger dip than the standard horizontal join from these letters. When joining horizontally from f to e, start the crossbar a little lower than normal.



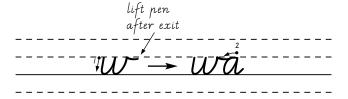


Touch joins

The anti-clockwise letters a, c, d, g and q are dropped into place when they are joined to a letter. When the letter has a diagonal exit, the exit is made to come up higher than usual, almost to the magic line, and then the pen is lifted. The anti-clockwise letter is then 'dropped in' so that it meets the exit. There is no retracing.



When a horizontal join goes to the anticlockwise letters a, c, d, g or q, the pen is lifted after the exit and the anti-clockwise letter is dropped into place. There is no retracing.

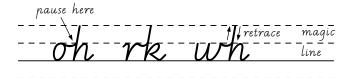


Joining to ascenders

When a diagonal join goes to a head and body letter, the pen should move from the exit right up to the top of the ascender, then retrace a bit on the way back down. The angle changes from 45 degrees to 80 degrees at the magic line. It can be helpful to pause at this point.

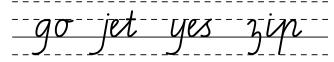


When a horizontal join goes to a head and body letter, the join should go right up to the top of the ascender and then retrace a little.



Letters that don't join

In **Year 3**, letters with tails that finish towards the left—g, j, y and z—don't join to the following letter. (Students will later learn speed loops that allow them to join from these letters.)

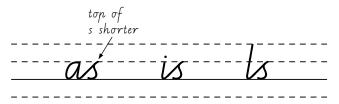


Joining to and from s

The letter s can be joined to horizontally from the letters b, f, o, r, v and w. The horizontal line should go right across the top of the s, then retrace the top of the s before heading down.



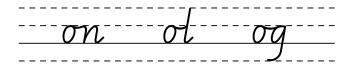
The letter s can also be joined to diagonally. In this case, the s is modified so that the top of the s is shorter.





When joining <i>from</i> s, the bottom of the s is retraced before going on to join.	When f is in the middle of a word, it is joined to with a loop, and the crossbar is used to join to the next letter.
retrace	refer-often
When double s is written, the shape of the first s will depend on whether it comes after a horizontal or a diagonal join. The second s is always modified as it joins to the previous s with a diagonal join. This means that when the first s comes after a horizontal join, the two s's will be different, and when the first s comes after a diagonal join, both s's are modified. s's are different s's are the same	When f joins to l, the join goes across then up to the top of the l, then retraces a little on the way down. The same applies when f joins to t, except that then the crossbar of t is added.
horizontal join diagonal join	When double f is written, the crossbar of the first f is used to join to the second f. The two loops should be kept the same size.
Joining to and from f	tiffscoff
When f is the first letter of a word, it has no loop and the crossbar is used to join to the next letter.	Joining to and from o To make a horizontal or diagonal join to o, go across the top of o to its starting point, then retrace a little before heading down.
When joining f to e, the crossbar needs to start a bit lower than usual so that f can join at e's starting point.	Võ
feet fever	
You join to the letter f with a loop. This is so whether the join before it is diagonal or horizontal. The pen is then lifted to add the crossbar.	
afof	

When joining *from* o, the exit is used to make a horizontal join. Note that the pen must retrace part of the top of o before it goes on to do the exit.



Double t

Use one crossbar to cross both t's. The crossbar should be left till last so that the flow of writing is not broken.



Speed loops

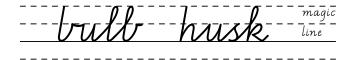
Speed loops can help students write more fluently. It's a good idea to give students the opportunity to learn speed loops, and then help them assess whether speed loops improve their fluency. Speed loops won't be useful to all students. Remind students not to make their speed loops too big. Large speed loops can actually slow you down! A loop should be no more than half the width of the letter's body. Speed loops will be more fluent if the upstrokes are made lighter than the downstrokes.

Speed loops from g, j, y and z should cross at the baseline.





Speed loops to l, h, b and k should cross at the magic line. They are not used when l, h, b or k is at the beginning of the word.



Speed loops are not used for d, t, p or q.



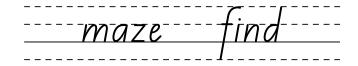
Diagonal join from q to u

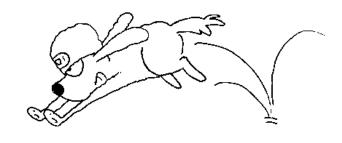
Once students are learning speed loops, q can be diagonally joined to u.



Print script

Print script is used for labelling in projects, maps, charts, diagrams and other displays, and for headings. When printing, care should still be taken to keep a consistent slope.





Troubleshooting handwriting difficulties

While not intended to be exhaustive, this chart details some of the common handwriting difficulties, and some strategies that may be useful in addressing them.

Script difficulty/Examples	Strategies to try
Inconsistent letter shape	• revise formation of the problem letter, verbalising the process
took	• include revision of letters with related shapes and movement patterns
Uneven letter size	• discuss the proportions of the heads, bodies and tails of letters
are parallel	• ruling a top body line for their ordinary work may help some students
Uneven letter spacing	check that the student is securing the paper with the non-writing arm so it doesn't slip
portfolios	• show student how to mark dots at the base of each letter to check letter spacing
	evenly spaced unevenly spaced
	unevenly spaced
	• if the problem is related to a particular writing movement or join, practise patterns which focus on that movement or join
Word spacing	discuss the relationship between word spacing and legibility
She told a fish	• show student how to place the letter o between words to check spacing — it should just fit with not too much space left over
My whole Family.	The ocat oate of ish. — good spacing
j	The o cat o ate o fish. too much space
	The cat ate fish. too little space—o's won't fit

Script difficulty/Examples	Strategies to try				
Inconsistent slope Slope varies	check student's posture and pen grip, and that they are not needing to change their grip in the middle of a word because of discomfort or fatigue				
daydream	• pattern practice to reinforce consistency of slope				
It was free and you could	Ullllll hhhhhhh				
	• if student's writing shows one main slope with variations, make up practice patterns that reinforce the predominant slope				
	 remind student to use more pressure on the downstroke — this can help establish rhythm and more consistent slope 				
	• slope cards may help some students				
Slope increases going across the page all the sides or equal in letter	 when slope increases going across the page check that student is sliding hand and arm across when necessary rather than bending hand back at the wrist 				
In a fontnigths time we will	 revise letter position with respect to head, body and tail parts of the letters place letters at the beginning of each page to act as a guide 				
Directional changes	 directional changes that are too angular or too rounded may decrease fluency and slow writing down — practise basic letter 				
equal	pattern, and letter shape within that pattern				
equal	mmm mmm www vanw				
	mmm vamm				

Script difficulty/Examples	Strategies to try
Mixture of print and cursive Cheltenham	 discuss writing situations in which print and cursive are appropriate check that there is no particular difficulty with the join at which cursive changed to printing
Diagonal joins Pencil lift instead of diagonal join Sometimes putting Lack of retracing in ascenders M	 remind student that diagonal joins go right up to where the next letter starts, and introduce practice patterns that reinforce the join <i>mimimimi lelelelele</i> lack of retracing in ascenders — pattern practice to reinforce retracing and directional changes UMUMU hhhhhhh
Horizontal joins No horizontal join—letters join directly will what Horizontal join to e Wear are	 revise use of horizontal joins if there is no actual horizontal join and the letters join directly, use pattern practice that reinforces the dipped horizontal joining stroke between the letters WWWWWW WiWWWWWWWWWWWWWWWWWWWWWWWWWWWW
Joins dipping too much will Horizontal join to ascenders took	• if the problem is with horizontal joins to ascenders, remind student that the join goes up and retraces rather than going straight to the top of the ascender. Practise quick directional changes. Where the problem is with horizontal joins to ascenders, remind student that the join goes up and retraces rather than going straight to the top of the ascender. Practise quick directional changes.

Script difficulty/Examples	Strategies to try
Touch joins	Lack of touch joins can lead to displacement of letters, ambiguous letter shapes, looping within words.
doydream	• discuss what touch joins are and why they are used
tiggy	• remind student that the exit before a touch join comes up diagonally and higher than usual — practise letters with longer exits
	ddmmaall
aqua	• remind students that after the long exit, they must lift the pen before 'dropping in' the next letter — use a small mark above the pen lift point as a prompt in words students will copy
Hackout	equal badge • introduce pattern practice for reinforcement of touch join movement ucucucu lalalala
Joining to s reports Girls	 check whether difficulty is with diagonal or horizontal joins to s, or both pattern practice to reinforce the join practise joining to s in common letter pairs and words Ls as is os bus has rose
Joining to f	 if the problem is joining to f, remind students to make a loop and cross it on the magic line. Revise lifting pen for the crossbar. practise common letter pairs if if if if If If If If If
Joining from f Free Safety	remind students that f joins from the crossbar, and is lower when joining to e

Script difficulty/Examples	Strategies to try			
Joining to and from o	 remind students that the join to o goes right across to o's starting point and then retraces a little before heading down remind students that o finishes with a horizontal exit 			
Joining to ascenders Lack of retracing in ascenders hill catch	• remind students that the join goes up and retraces rather than going straight to the top. Introduce pattern practice to reinforce retracing and quick directional changes. **MUNICIPATION OF THE PROPERTY O			
Speed loops Loop too narrow or wide log haze	 discuss what speed loops are and why they are used remind students that the loop should not be more than half the width of the letter's body, and rule lines to check 			
Descenders don't intersect on the baseline Lagy judge	introduce pattern practice for reinforcement of loop and baseline intersection			
Ascenders don't intersect at the magic line	• introduce pattern practice for reinforcement of loop and magic line intersection bbbbb			



Handwriting skills checklist — Years 3-4

ACARA Version 9.0 National Literacy Learning Progression Writing sub-elements for Handwriting: **HwK6**, **HwK7**

Name	Date Observed	Comment
O Understands that legible handwriting is consistent in size and spacing and can support learning		
Joins letters using consistent size and pacing to develop fluency		
3 Slopes writing if appropriate to script		
Writes using joined letters of consistent size		
Can use the following joining techniques:		
Diagonal joins		
Diagonal joins to head and body letters		
Diagonal joins from q and z		
Drop-in joins		
Joining to the new f		
Horizontal joins		
Horizontal joins to anti-clockwise letters		
Horizontal joins from f		
Horizontal joins to tall letters		
☆ Joins to s		
☆ Horizontal join to e		
☆ Double f		
☆ Diagonal join to modified s		
☆ Joined ft		
• Needs practice in these joins		
Know which letters don't join		
• Knows when to use cursive writing and when to print		
Sustains the Modern Cursive Style to facilitate fluency and legibility across a text		
Uses lines appropriately to form letters of uniform size		
Fluently handwrites to produce a range of texts		



Handwriting skills checklist — Years 5-6

ACARA Version 9.0 National Literacy Learning Progression Writing sub-elements for Handwriting: **HwK8**

Name	Date Observed	Comment
Sustains writing with a legible, fluent and personal handwriting style across a text		
Can use the following joining techniques:		
Diagonal joins		
Drop-in joins		
Horizontal joins (including to e)		
Joins to s (including diagonal join to modified s)		
Double f		
Joined ft		
Double s		
Fluency joins from b, p, s		
Speed loops - from g, j, y		
- to l, h, b, k		
- to and from f		
- from modified z		
Needs practice in these joins		
Knows when to use cursive writing and when to print		
Uses handwriting efficiently in formal and informal situations		
Adjusts handwriting style to suit writing purpose		
Forms letters of consistent shape and size		
Maintains uniform slope		
Maintains good, uniform spacing between letters		
and between words		
• Writes fluently		
• Takes breaks in long words at appropriate points		
Practises calligraphic flourishes that enhance written text when appropriate		

Worksheet 1	Name:	Date:	/	/
-------------	-------	-------	---	---

Revising letter shapes

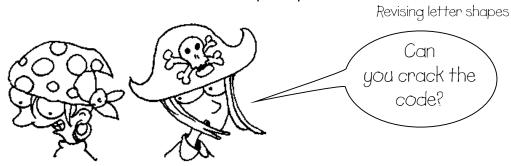
Can you find the 12 words hidden in the word search? Clues are at the bottom of the page!			
of the page!	ξ		

Circle the words hidden in the word search. Trace the letters in each word you find.

i	t	~	е	a	5	u	~	е
S	h	i	p	n	е	a	b	
	R	9	3	C	a	6	i	n
a	i		W	h	a		e	
n	6	3	V	6	y	a	9	e
d		p	i	~	a	t	e	f
m	е	~	m	a	i	d	5	

Word Search Clues

pirate treasure rig voyage island sail sea anchor ship whale cabin mermaids



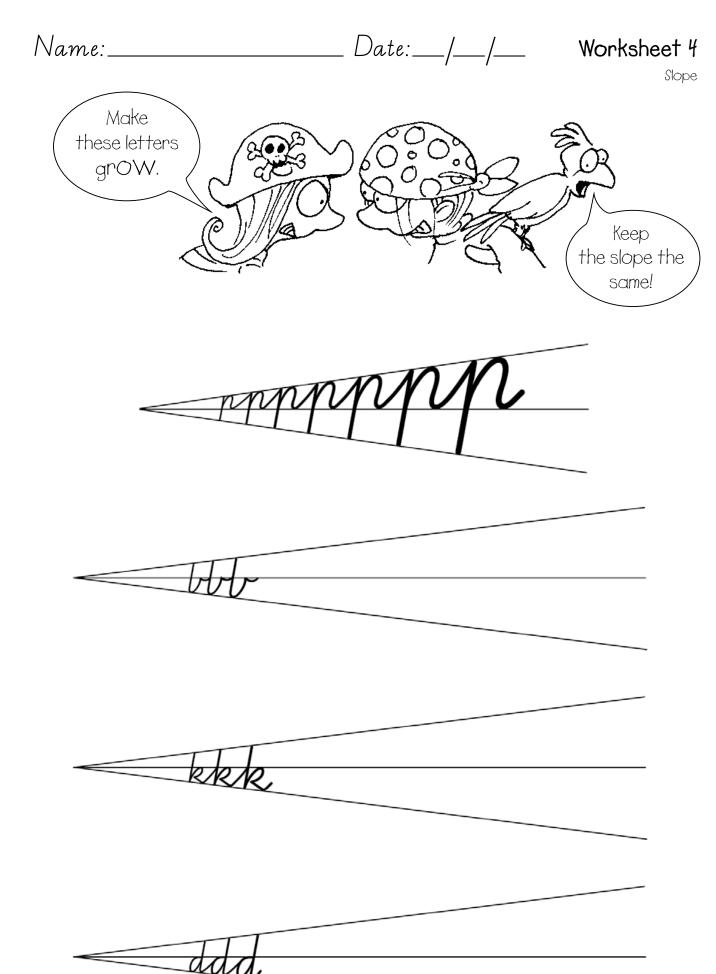
The message in the grid is written in code. To find out what it says, use the code breaker at the bottom of the page.

16	9	18	1	20	5		16	5	20	5			
1	14	4		6	21	26	26	25		13	ı	24	
17	21	9	3	11	12	25		2	21	18	9	5	4
20	8	5		20	18	5	1	19	21	18	5		

Code Breaker

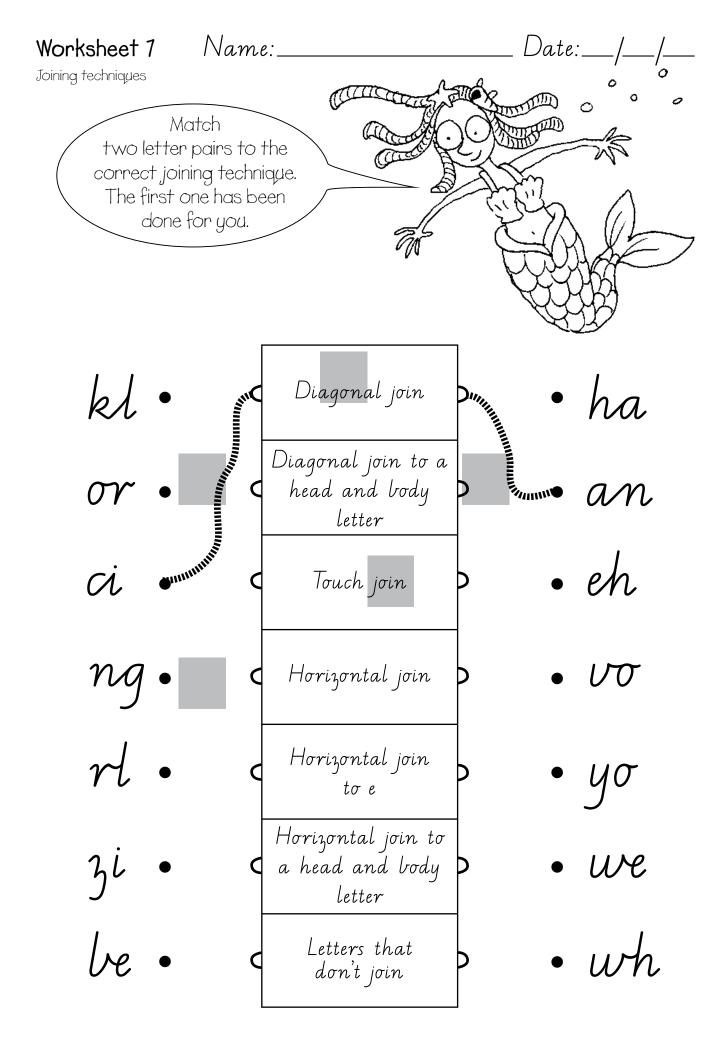
A	В	C	D	Ε	F	G	Н	1	J	K	L	M
а	b	V	d	е	f	9	h	i	j	k	l	m
I	2	3	4	5	6	7	8	9	10	11	12	13
N	0	Р	Q	R	S	T	U	V	W	X	Y	Z
n	6	p	9	γ	S	t	и	V	w	\boldsymbol{x}	у	3
14	15	16	17	18	19	20	21	22	23	24	25	26

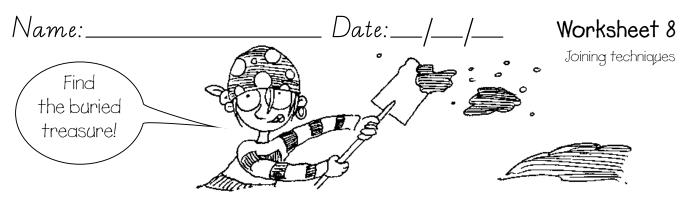
Worksheet 3	Vame:	Date:/	_
Exits and entries			
\		Can you see	
ECC	-000	where the exits and entries	
(Zexit)	e	entry)	
, –		f words. One word has all the	
	9	. The other one is missing some over the word that is correct, and	I
		e mistakes in the other word, and	
•		one has been done for you.	
√merm	aid	mermaid	X
<u>CUILASS</u>		CULLASS	
ocean		ocean	
TUSPL		<u> </u>	
shin		shin	
<u> </u>	<u>an</u>	<u>merman</u>	
gatteg		gattey	
canno	n,	cannon	



Slope Squark! Make these letters shrink. Keep the slope the same.

Name:	Date:/	Worksheet 6
Let's look at the slope of letters.	(8a)	
Draw the lines of slope through	gh the downstrokes o	•
Mark a cross X under the wor		
Pirate Pete	Fv33y	11000
Angry Anne	Loud	Larry
Stinky Stan	Peg-Leg	Polly
Lucky Lucy	Sary	Nary
Stim Jim	Wild-Wi	Liam





Cut out the words at the bottom of this sheet. Sort the words into their three categories: first join is a diagonal join, first join is a touch join, first join is a horizontal join. Carefully re-arrange them to discover where the treasure was buried.

First join is a

First join is a

First join is a

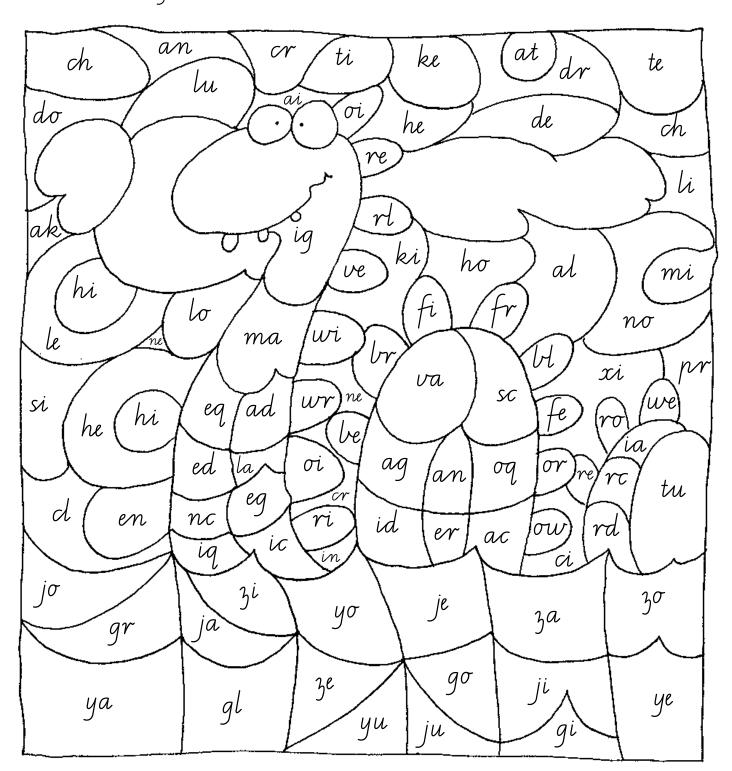
diagonal join	touch join	horizontal join
		-
treasure	near	Uas
buried	under	fern
:		- -
· · · · · · · · · · · · · · · · · · ·	CALP.	-

Worksheet 9	Name:	Date:/_	/_	
		•	•	

Joining techniques

Reveal the hidden picture by colouring the sections, using the key below.

- Diagonal joins light blue
- A Horizontal joins purple
- Touch joins green
- A No joins dark blue



Name:	Date:/	/
1 1001100		/

Worksheet 10

Joined writing

Choose 9 words from the table below. Copy them onto your bingo board, then cut out the board. The bingo caller should cut out the entire list of words and place them in a hat. When one of your words is called out, cover it with a counter. The winner is the first person to cover their entire card and call out "Bingo!"



ocean	waves	fish	sea	boat
treasure	pirate	ship	sail	dolphins
mermaid	coral	seaweed	whales	merman
anchor	sand	crab	jellyfish	shark
sailors	octopus	shells	mullet	seahorse

Bingo Board		>0
0)2020202020202020202020		20202020202020202020
리		
		린
티		B
<u></u>		包
릶		
尚		
		e
웹		B
교		<u>同</u>
<u> </u>		
린		
包		
리		
尚 l		
린 		 e
道		同
릴		<u> </u>
리		
		힌
間		
리		
립		
[] 		آة
9		
間		l
ā		l ä

Worksheet 11 Name: Joined writing	Date:/
First trace the procedure for making a pirate hat. Then follow the instructions to make one!	Make a pirate hat and join my crew!
1. Take a sheet of ne	wspaper.
2. Fold in half.	
3. Place fold at top	
4. Rule a line down	n middle.
5. Bring top corner	rs to
middle line and	fold.
6. Fold lower flap	щ.
7. Turn over. Repea	t step 6.
8. Tape ends of bri	m.
9. Decorate.	
Step 3 Step 4 Step 5	Step 6 Step 8

Joining techniques

Find the mistake in the joined writing.



Look carefully at each word. Circle the mistake.

mermaid





shark



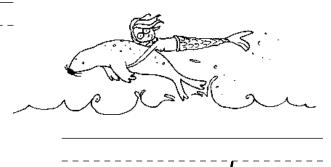


anchor

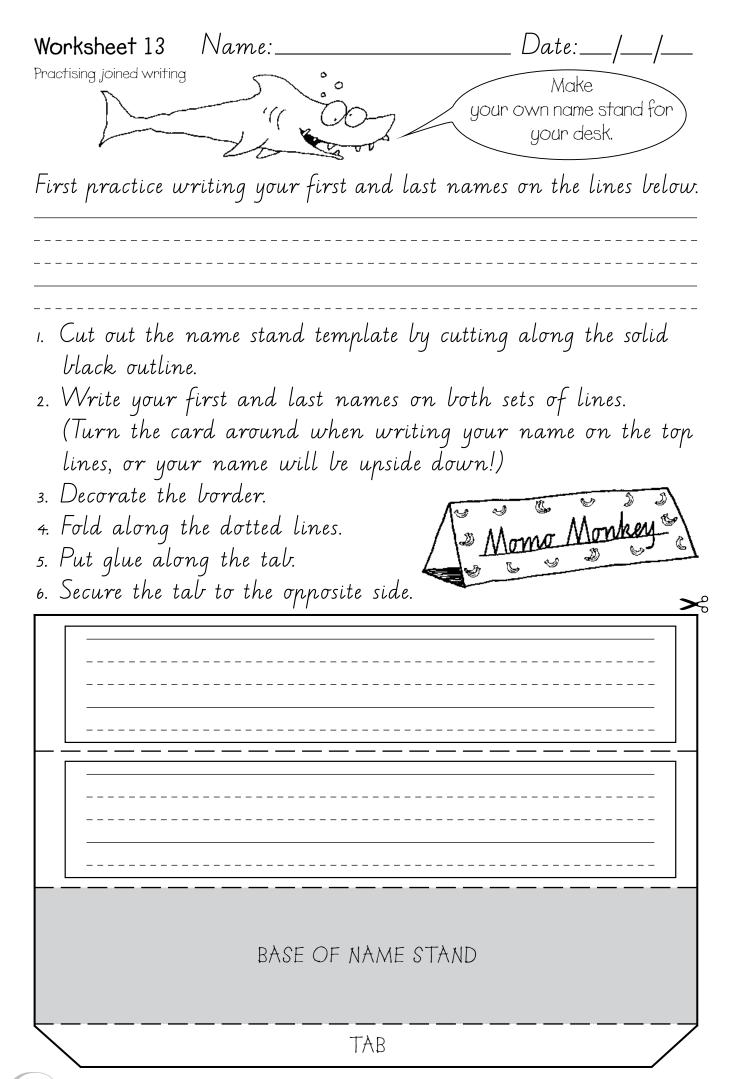
merman



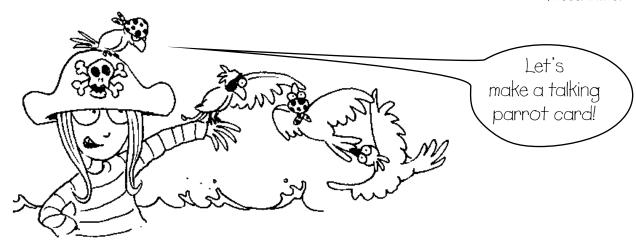
island



seal

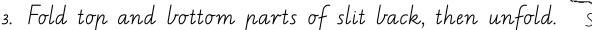


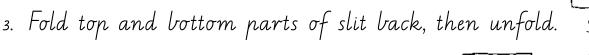
Presentation

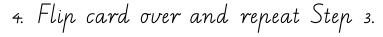


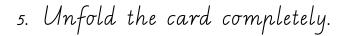
You'll need a square of paper or card with sides about 16cm long.

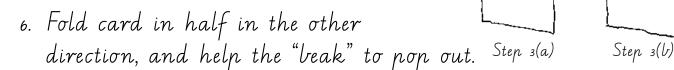
- 1. Fold the square in half.
- 2. Cut a 1 1/2 cm slit as shown.

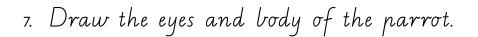




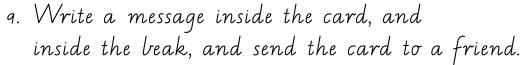


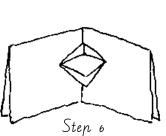


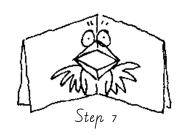




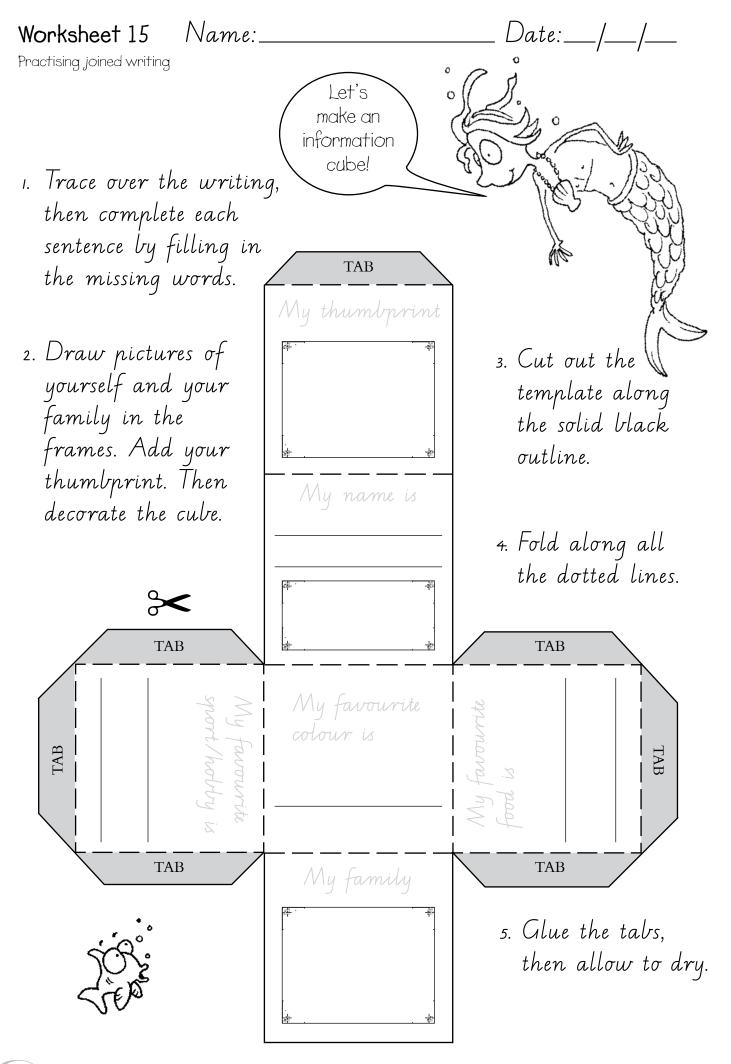




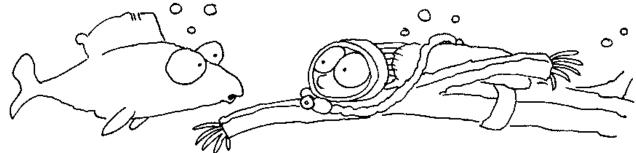




Step 5



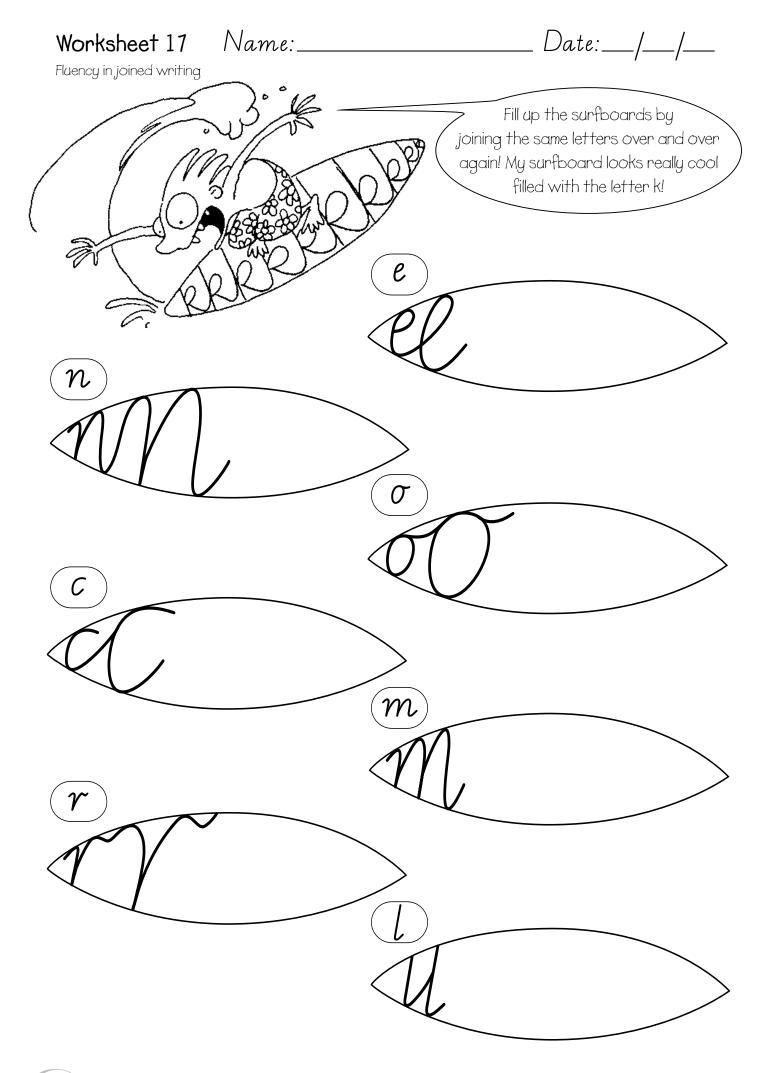
Joining techniques

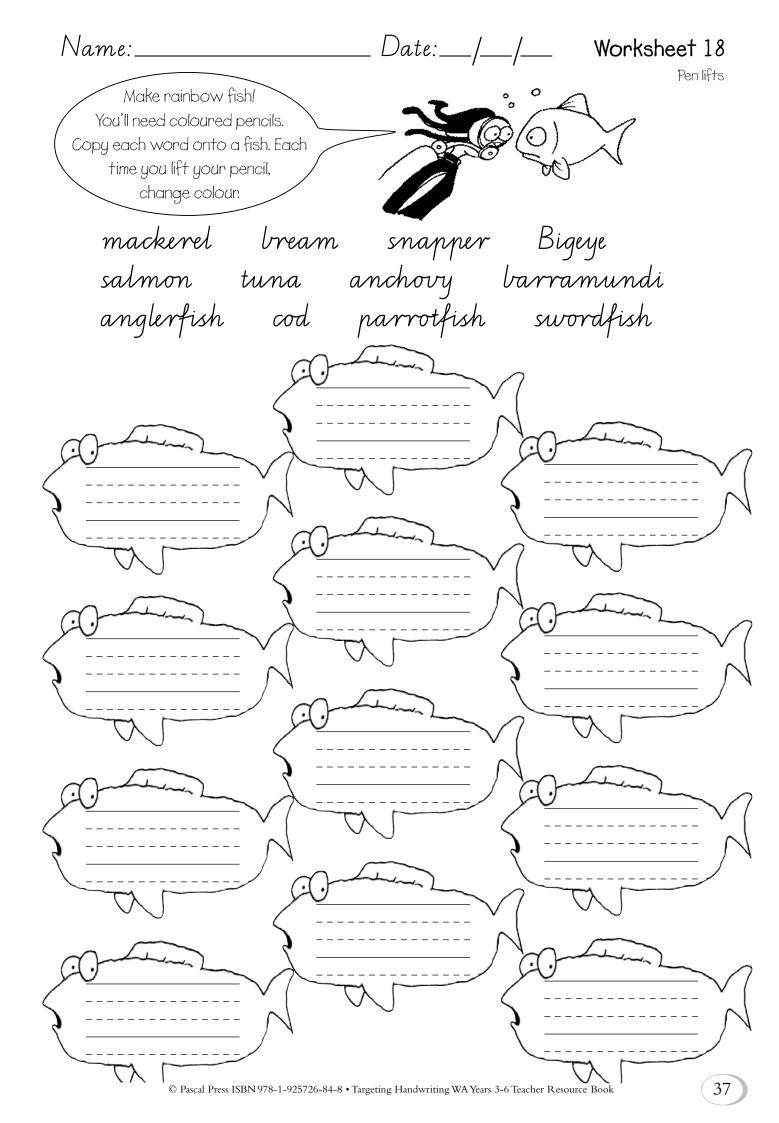


Rule a line to match up each letter pair with the join that it contains. When you're finished, the bubble letters with lines through them will spell an ocean word.

Diagonal join	\mathcal{A} \mathcal{B}	•	wi
Touch join 🛭	E C	•	di
Horizontal join	(F)	©	na
Diagonal join to s		0	es
Horizontal join to s	$(E) \qquad (E) \qquad (A)$	O	oe
Horizontal join to e) ©	05
Join to head and body letter	\mathcal{E}	•	al
Double letter join		•	yσ
Letters that don't join		0	nn

What is the ocean word?_____





Worksheet 19 Fluency in joined writing	Name:	Letter patterns can be used to create groovy borders around charts, stories, poems – even my surfboard!
These letter patto	erns have been	used to make borders.
nenenenene k	cikikikikiki n	rememememe elelelelele tototototo
		e surfboards by following each the paper around as you go.
	pikiki	rememeneneneneners runnunununununun
Which letter pa		ha last?

Name:	Date:/_	/ Worksheet 20 Letter spacing
7	Letter spacing that is even makes your writing much easier to read.	
that the dots under under other words a letter spacing and a	se of the letters in the wo some words are evenly sp cren't. Put a tick under th cross under words with rst line have been done fo	vaced, and the dots he words with even uneven letter spacing.
kayaki	ng	ara sailing
snorkel	ling	vimming
surfing	sailing	canoeing
fishing	padding	floating
outriggi	ng n	aragliding
	evenly	low many spaced words l you find?

surfboard ankle strap	board fin	shorts sunscree	rash vest n touvel	wax
		301130100		

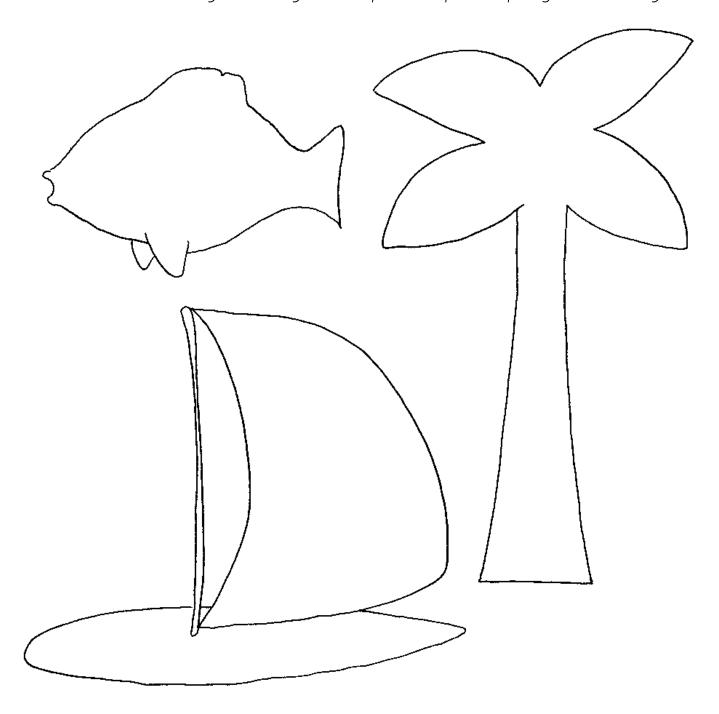
Worksheet 23	Name:	D	ate:/	/
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Free writing

Look at the example below. The shape of the eel makes a frame. Information about eels has been written inside it.



Write about each object, using its shape as a frame for your writing.



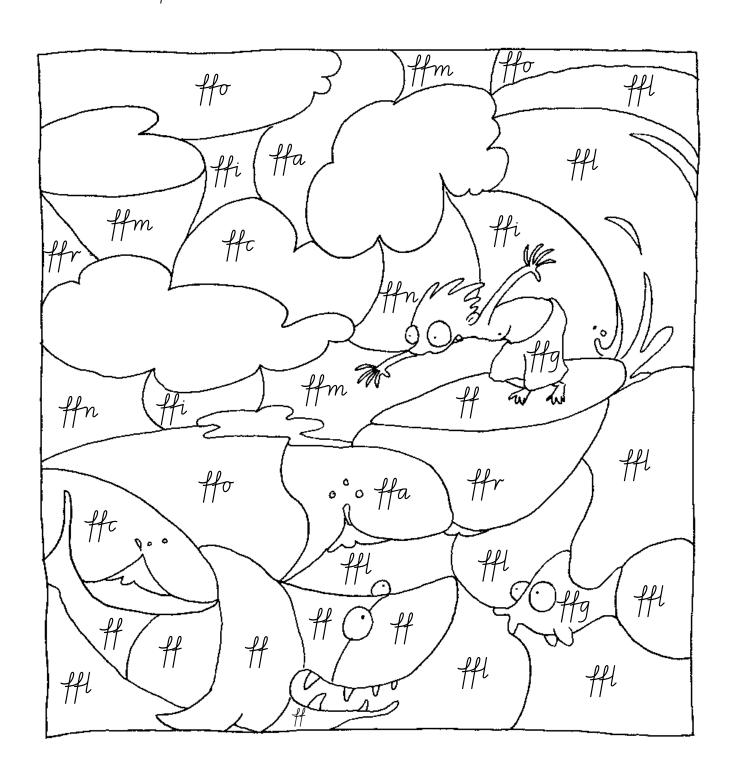
Name:		_ Date:/_	/ Worksheet 24 Writing own name in joined writing
to write his or	her first name	in the correct	ach of your classmates
Don't forget to	include your ow	rn. A	В
С	D	E	F
G	Н	I	J
K	L	М	N
O	P	Q	R
S	T	U	V
W	X	Y	Z

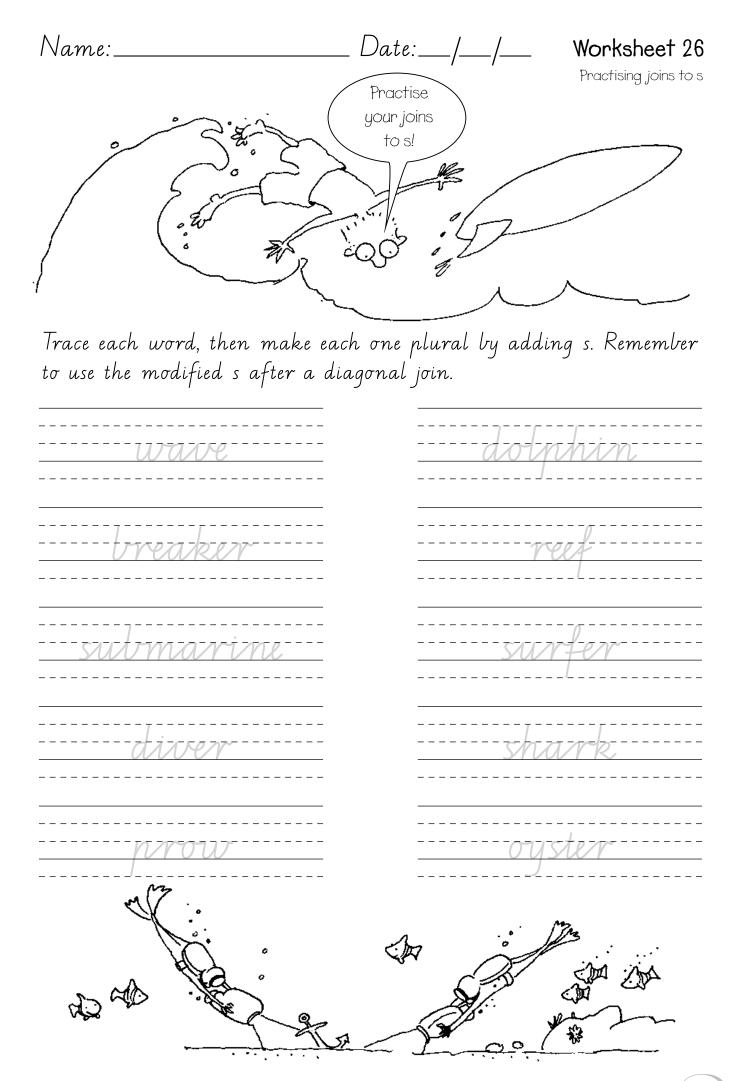
Worksheet 25	Name:	Date://_	
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Double fjoins

Colour the letters, using the key below, to reveal the hidden picture.

- Oouble f joins to a body only letter light blue
- Oouble f joins to a head and body letter dark blue
- Oouble f joins to a body and a tail letter orange
- Double f on its own black





Worksheet 27

Name:

Date:___/__

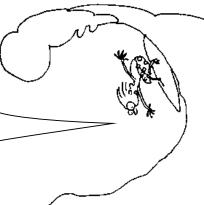
Letters that don't join



Using a coloured pencil, circle all the letters that don't join to the next letter in this passage of writing.

Beach activities can be so much fun — wave jumping, gazing into rock pools and making sandcastles are wonderful to do, and you do not need money!

To reveal the hidden
message, write all the letters that
you circled in the boxes below. Keep
them in the same order they were in
in the passage.



oogie boarding, umping waves, oing swimming and ooming on surfboards are fun things for ou to do in the surf.

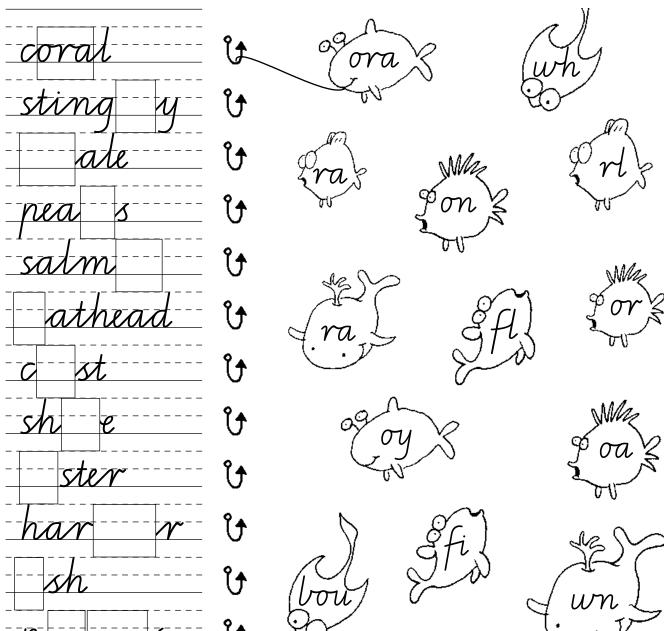
Horizontal joins

Hook the fish by matching each one to the right word and writing the letter pair with the horizontal join back inside. The first one has been done for you.

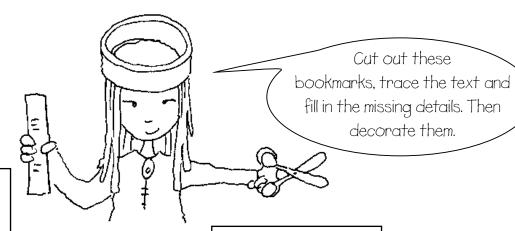
All of the horizontal join fish are lost at sea. They swam out of these ocean words, and now can't remember which words they belong to!

Help!



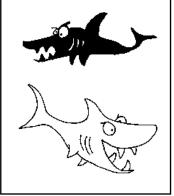


Practising speed loops

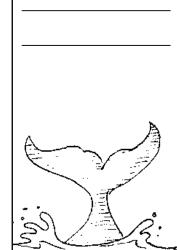


My favourite book about sharks is

by



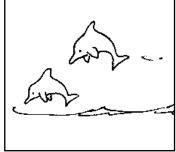
My favourite book about whales is



by

My
favourite
book about
dolphins is

ry



My favourite book about surfing is

by

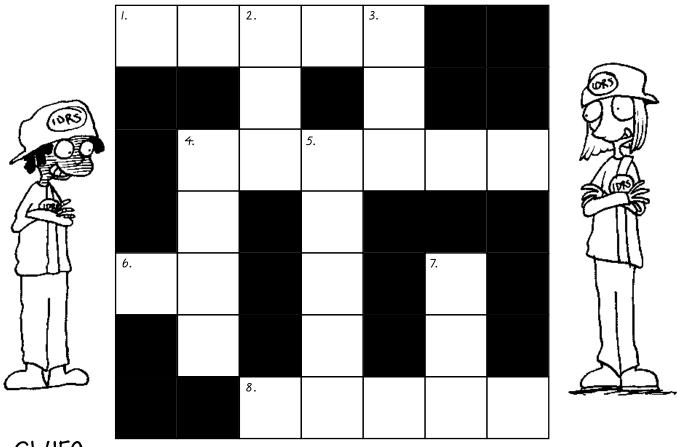


Name:	_ Date:_	//	Worksheet 30
in it			Practising speed loops
Write an acrostic about			
surfing by starting each sentence with the capital			E 3 4
letter that is already there.	2.		
Use your best joined writing	• •		
with speed loops.			
5			
<u></u>			
		. – – – – – – – –	
		. – – – – – – – –	
G			
		. – – – – – – –	

Worksheet 31	Name:	Date:/	/
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Practising joined writing

Create your own crossword. First choose words that fit this crossword grid. Write them in lightly in pencil. Create a short clue to each word, and write the clues in neatly in joined writing with speed loops. Rub out the pencilled words in the grid. Give your crossword to a classmate to solve.



CLUES

Across	Down
1.	
4	3.
6.	
8.	
	7

	В	S	С	0	N	G	R	Α	N	T	0	Н	(al
		Н И	M	1	L	S	T	0	R	M	L	M N	
	$\frac{1}{Z}$	T	A	<u> </u>	0	C	R	L	A	V	A	D	
	Z	N	G	S	Y	E	0	N	G	E	N	Ε	
	A	T	M	С	T	0	R	N	Α	D	0	R	
	R	T	Α	S	1	N	G	E	R	U	P	T	
-P	D	T		Н	G	A	L	E	S	R	0	U	
	G	W	<i>H</i>	A	V	A	L	A	N	C	H	E	
	<u> </u>	S	U	Ν	A	M		S	A	F	U	E	
)]]	<i> </i>	/	R	E	5		0	R	M		Y	E	

Answers: ash, avalanche, blizzard, cyclone, earthquake, erupt, firestorm, flood, gale, hailstorm, lava, magma, rescue, thunder, tornado, tsunami, twister, volcano

Worksheet 33	Name:	_ Date://	<u>'</u>
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Fast and legible writing

Play this game in a group. Each person will need a copy of this sheet. One person names a letter of the alphabet, and then says "Go!". Everyone then has to write down something that begins with that letter in each column. For example, if the person says "B", you could write "Bella, Bob, Brazil, banana". The first person to have a word in each column wins that round and gets to choose the next letter.

Girl's name	Boy's name	Country	Fruit or Vegetable

When you're finished, assess your handwriting.

Rate your legibility.	SELF ASSESSMENT
000	
Needs work	ce 5 Earth-shaking!
B. W. Br	me de la company

Vame:	_ Date:/	Worksheet 34
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Fast and legible writing

Try this memory test. Look at the pictures on this sheet for 15 seconds. (Ask a classmate to time you.) Then turn the sheet over and write as many items as you can remember in 15 seconds. Turn the sheet back over, and check how many you remembered. Then assess your handwriting.



Number of items remembered:

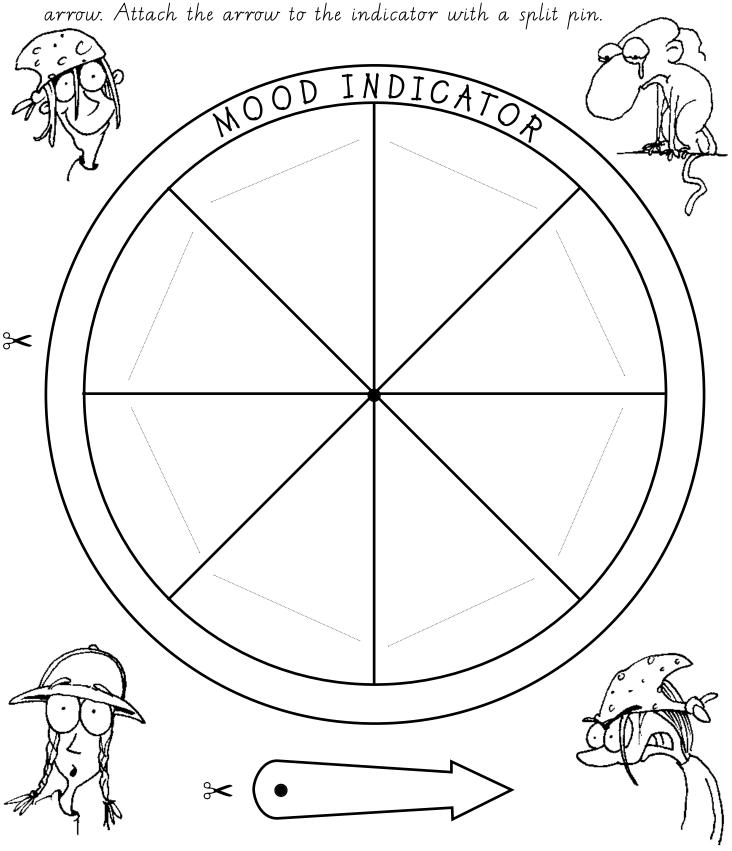
Rate your legibility.	SELF ASSESSMENT
Needs work Force 5	Earth-shaking!
B. Bri	me

Workshe	et 35	Name:		Date:_	//
Fast and legil	ble writing				, ,
You'll ne	eed a fr	iend to race	and a copy of	f this sheet each.	Start
				p as soon as on	
				ive each of you	
		, ~ ,		ver of words you	
	_	·	- , ,	highest score wi	ns!
irg ii ac	jairi ori	a new copy	of this sheet.		\mathcal{M}_{ω}
					کہ ہ
	Some	volcanoes	stay dorma	int for	L G AN
			ars before t		EUI
B		, ,	•	,	
Ą	'		_	ke Stromboli	
			ly, erupt rea	,	
\	Stro	mboli has	been erupti	ng about ever	y
	20 m	inutes for	more than	2,500 years.	
N					<u> </u>
	•	•	,	or legibility (out	σ† 10):
Score (n	umber o	f words X r	nark for legil	rility):	

Name:	Date:/	Worksheet 36
Name:		Worksheet 3

Handwriting for presentation

Make a mood indicator for your desk. First fill in the mood readings for the different sections. You could include things like Happy, Sad, Angry, Confused. Use your neatest handwriting. Glue this sheet to thin card, then cut out the dial and the indicator arrow. Attach, the arrow to the indicator with a solit nin.



Name:_ Date:___/__/ Worksheet 37 Handwriting for presentation Design your own game. First, number the squares. Include instructions (in some of the squares like "Volcano erupts — go back 3" or "Rescue dogs arrive — go forward 2". Use print script. Decide if you need to do something special like roll a 6 to start. Play the game with some classmates. First to reach safety wins! Start here Safety!

Name:	Date:/_	/
		 /

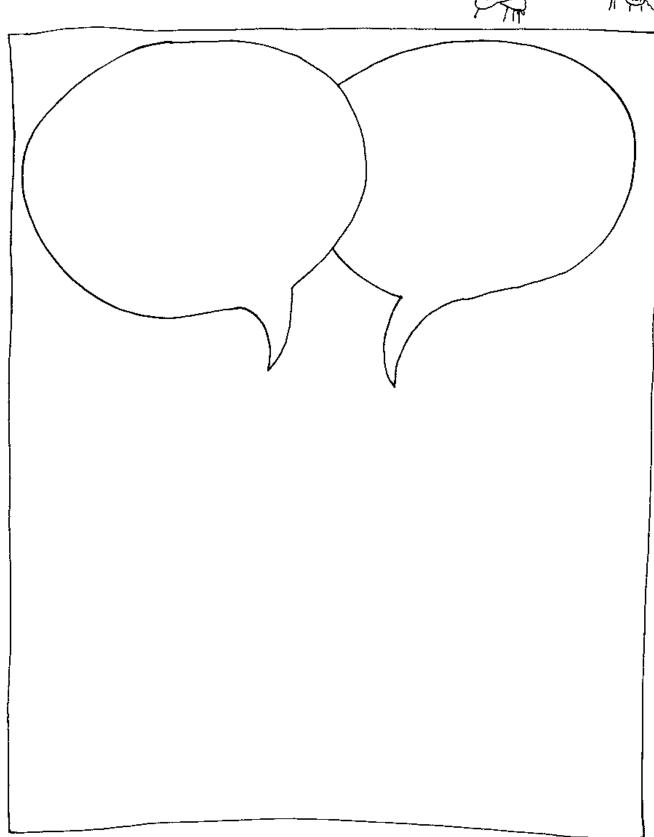
Worksheet 38

Print script / Capitals

Draw your own cartoon in the frame below. Fill in the speech bubbles using print script or capital letters.





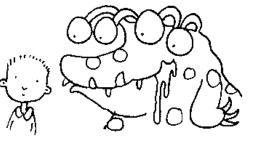


Worksheet 39	Name:	Date:	/	/
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Developing a personal style

Imagine you've just finished your first term at the Mr Hyde School for Hideous Monsters.

Fill in your report card. Give each teacher different handwriting and a unique signature.



Subject	Grade	Teacher's Comment	Signature
Howling	A+	A young monster of extraordinary talent!	Gary Granlin
Drooling			
Stomping			
Making scary faces			
Hiding under the bed			
Leaping out from behind doors			

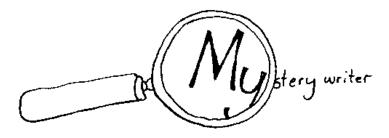
Are there any handwriting elements in this report card that you'd like to use in your own handwriting or signature? Write them here. Test them out to make sure they don't slow you down.

Vame:	Date://	_ Worksheet 40
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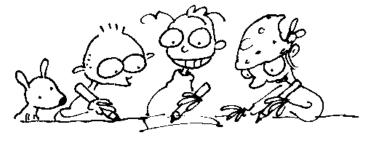
Developing a personal style

You'll need a group for this activity. One person (the Handwriting Detective) should leave the room. One of the others writes "I am the Mystery Writer." in the space. Everyone (including the Mystery Writer) should then write their name in the first column, and write "Am I the Mystery Writer?" in the second column. Call the Handwriting Detective back in and challenge them to name the Mystery Writer by comparing the handwriting samples.





Writing sample
Writing sample



Worksheet 41 Nam Developing a personal style	ve:	Date:/
	,	s you know. Which are ke about them?
Dame Iris Von S	hodeofform III g	
Person's name	Signature	Features I like
Try incorporating some signature. Test them ou signature should be eas	t on the lines below	r. Remember that a

You're a world-famous leader of expeditions to every continent. You've just seen a job advertised that offers a new challenge.

Apply for the job using the form below.

Mars Expeditions Incorporated

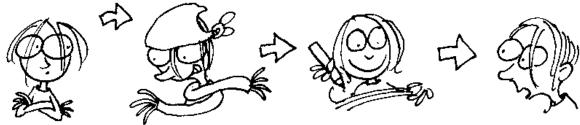
Today Mars — tomorrow the stars!

www.missionmars.com

POSITION VACANT: LEADER OF MARS EXPEDITION 2046

PLEASE USE A BLACK OR BLUE PEN ONLY AND USE BLOCK LETTERS.	
NAME:	
DATE OF BIRTH:	
ADDRESS:	
QUALIFICATIONS:	
REASONS FOR APPLYING:	
PREVIOUS EXPEDITION EXPERIENCE:	
LEADERSHIP EXPERIENCE:	
INTERESTS:	

Worksheet 43	Name:	Date:_	//
Print script			1 1
real country in space. When you	the world, a fantasy	like to explore. It couy place, or a planet in map, label the places ing route.	r outer
	ኤillà		
	70 %		
	Sec.	<i>T</i>	
	- William - Will	• • •	
			_
			\mathcal{N}



Work in a group of four to create a serial story. The first person has 30 seconds to write the beginning of a story in the first section. The next person should read it (without letting the others see it), fold it back so it can't be seen, then add their 30 seconds' worth. Each person should read only what the person just before them wrote. When you have all had your go, read the whole story through together. Now rate your legibility — whose writing holds up well at speed?

Worksheet 45 Name:	Date://
Fast and legible writing	, ,
quickly. (The passage can be made-up,	Jah, blah, blah, 1, blah, blah, 11-11. Blah, blah lah, blah blah!
NOTES:	
TO TEO.	_
What percentage did you get right? (Number of out of 100.)%	of words right
What note-taking techniques did you use? (For abbreviations, increasing your slope for greater	
Did any particular letter combinations or join. Write them here. Then practise them when you so your hand gets used to doing them automati	re not under pressure

USING COMPUTERS

Parts of the computer

Most students will have little difficulty in identifying the various components of the school computers. It's handy, though, to establish a common nomenclature so that everyone is using the same names to refer to the computer's parts.

Ideas and activities

- **②** Label a classroom computer with the terms you want students to use.
- With students, examine a classroom computer. Ask students to describe differences in appearance and function from home computers.
- Out pictures of computers from newspapers and magazines. Glue onto A3 sheets of paper and label them appropriately.
- **1** Use the correct terminology yourself when referring to the computer.

Computer components

Note that not all computers or laptops will have all these components.

Keyboard: caps lock, shift, tab, backspace/delete, enter/return, arrow keys, function keys, number pad

Monitor: power button, base tilt mechanism

System box: power button and light, hard disk activity light, USB sockets and reset button

Mouse: right and left buttons, scroll button

Laptop: power button, keyboard, number pad, monitor, USB ports, card reader, track pad, charger port, webcam

Computer peripherals: printer, scanner, digital camera controls and functions.

Student responsibilities

Computers are expensive—and potentially fragile—pieces of equipment. For classroom safety and fiscal harmony, ensure students are familiar with correct operating guidelines. These could include:

- starting up and closing down the computer using correct login procedures not using other users' credentials
- **3** replacing paper in the printer correctly
- ensuring the cover is down on the scanner when it's in use.

Get students into the habit of 'cleaning up' when they've finished using the computer—closing their files, exiting or quitting programs they were using, shutting the computer down or putting it in sleep mode, or logging off.

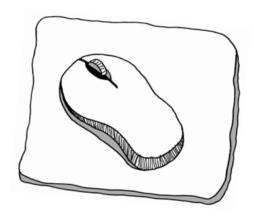
You may like to create a 'Certificate of Computer Competency', to be awarded when students have demonstrated each operating guideline or competency.

Correct posture at the keyboard

Good posture is essential at the computer. Ensure that students can achieve a correct posture by having available:

- **a** an adjustable chair
- **a** an appropriately positioned surface to place the computer on
- **a** an adjustable monitor
- **1** room for the mouse to be positioned on either side of the keyboard.

There is a posture diagram on page 68. Put a copy up on the wall where it's easy to see from the computer. Print additional copies for students to use as personal guides.



Teaching computer skills

To be able to present written texts effectively using a computer, students will need keyboarding skills, an understanding of basic layout, typography and presentation, and varied opportunities to develop, practise and demonstrate their publishing skills.

Keyboarding

Effective keyboarding skills are essential to avoid the slowness and frustration of 'hunt and peck' typing techniques. Here are some ideas for developing keyboard proficiency:

- Task Cards 1 and 2 focus on increasing students' typing speed. Students can create their own 'race games' or substitute different pangrams for the one in Task Card 2. Hunt up old typing books (for example, Pitman's) for other exercises and keyboarding ideas.
- **10** Use the generic keyboards on page 69 and 70 for off-computer activities. Have students colour keys as they learn them 'off by heart', label them with the common shortcut keys for the applications they're using, or colour code them for left and right hands.
- Have students record their developing wpm (words per minute) on a chart. The Excel Basic Skills Computing Skills Years 5-6 book features a typing practice record chart (on page 50) that you may find useful.
- Install a typing tutor, for example 'Kid's Typing Skills', a terrific typing program for PCs from www.kidware software.com/ kidtype.htm.
- **1** If you're connected to the Internet, students can practise typing online at *typingpal.com* and test their typing speed on a variety of texts at www.typingtest.com.
- Promote shortcut keys such as Ctrl P or \(\mathbb{H} \) P for 'print', or Ctrl O or \(\mathbb{H} \) O for 'open'; this keeps student hands on the keyboard.
- ② Don't forget the old trick of typing 'blind'.

 Turn off the monitor as students complete a typing drill, then turn it back on to see the result. You can also cover students' hands and keyboards with a soft cloth. For fun, try blindfolding them as they type!

Tind an old typewriter for the classroom. Students are fascinated by the 'old' technology and it can be used for typing practice.

Saving files

Encourage students to give their files names that will differentiate them from their other files and mean something to them later. Help them to get into the habit of saving and naming a file soon after they open it, and of saving as they go along.

Example publications

Collect and display examples of desktop publishing and text presentations. These could include brochures, charts, newspapers, circulars, newsletters, magazines, postcards, posters, advertisements, Internet sites, forms and report cards.

Discuss each text's layout, the use of titles and fonts, size and placement of graphics and photos, and colour combinations. Point out the link between presentation elements and the intended audience and function of the text. Print copies of brochures and have students label the design elements. Have students attempt to duplicate simple designs using word processors or publishing packages.

Publishing opportunities

Provide ongoing opportunities for students to practise and demonstrate their publishing and presentation skills.

- Make 'big books' for younger classes. Use a combination of hand-drawn pictures and computer text.
- Make birthday cards: assign each student a buddy to create a card for.
- **1** Brainstorming: encourage students to use the computer to 'jot' ideas down on.
- Start a class newsletter: a regular, ongoing newsletter will provide a host of publishing opportunities.
- **②** Set up computerised diaries: use the password function to ensure privacy!
- Oreate a class font book by making 'samplers' for the different fonts.
- Make instruction manuals: create 'how-to' cards or small manuals for classroom equipment.

Use computers for multiplication tables or weekly spelling lists: practise maths/spelling and typing simultaneously!

Make students aware that the computer is not the only tool for publishing and presenting texts. Quite often, a combination of hand-drawn pictures and computer generated text looks most effective. Scan students' drawings and illustrations for manipulation in word processing and graphics programs.

Using the Internet

The Internet contains lots of sites that can help students with research for publications they're preparing. However, make sure students are aware that the content of a web site may be copyrighted, and that they may be infringing copyright laws by downloading graphics or copying text.

The Task Cards

Because different schools will have different computer equipment and programs available, the instructions on the Task Cards refer to general commands. You may need to provide your students with more specific instructions or demonstrate the commands specific to your school's computers and software.

The Years 3-4 Task Cards are designed to cover skills such as keyboards, editing, formatting and simple presentations and design. Older students with less advanced computer skills could also use these cards. The Years 5-6 Task Cards include a PowerPoint slideshow, more complex formatting using Headings and Styles and inserting graphics. The final cards' activities include Tables, Columns, creating a web page and finish with a multimedia presentation. More capable younger students could also use these cards. See pages 94-95 for answers for some cards. Before laminating, these should be printed and placed on the back of the appropriate cards.

Adapt the cards' expectations or activities to best suit your class. For example, change Year 6 Task Card 5's hippo to a different animal. Some cards are suitable for individual work, but publishing and design work can be effectively tackled by pairs of students or small groups.

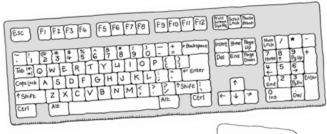
Laminate the cards to increase their longevity in the classroom. Alternatively, print them on thin card and keep them together in a ring-bind folder. Or if you print the task cards onto paper, students could print their publication on the reverse side—perfect for assessments or for taking home to show parents.

Assess what skills students will need before starting a card. It may be necessary to demonstrate a process (for example, scanning), walk through a series of commands (for example, creating columns) or explain a technique (for example, taking digital photos). Have reference books available in the class for students to use when reviewing skills and tasks, for example the Excel Basic Skills Computing Skills series.

Computer skills checklist

Use the skills checklists on pages 95 and 96 to track students progress.

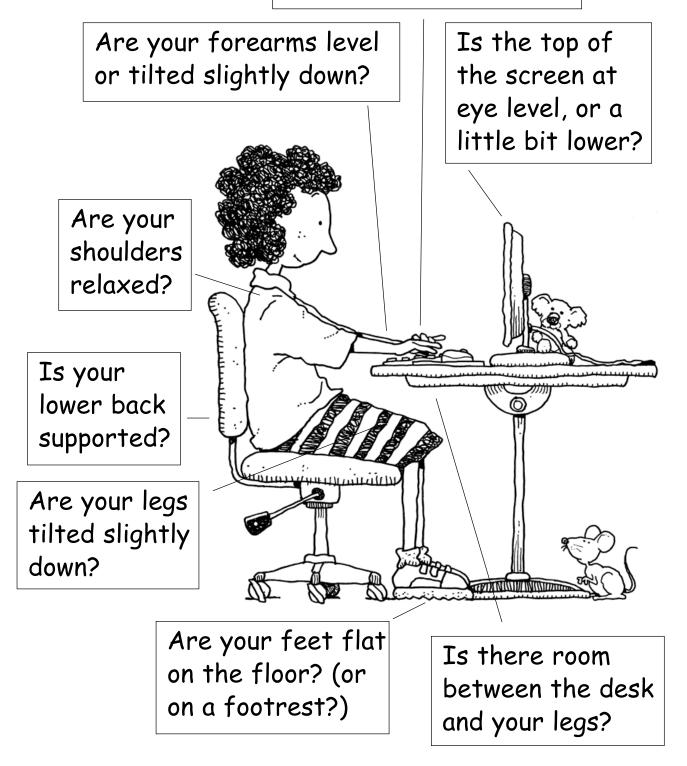
- Print a sheet for each student in your class. You may also want to keep one as an overall record of which skills have been covered in class, and to record running notes on mastery.
- Record students' progress as they complete the task cards or other computer-oriented activities.
- **10** Have students keep their own records. Allow them to nominate tasks they believe meet the requirements.
- Add any additional required skills to the list. These could include network log on procedures, Internet research, or use of specialised equipment such as scanners, digital video cameras or microphones.



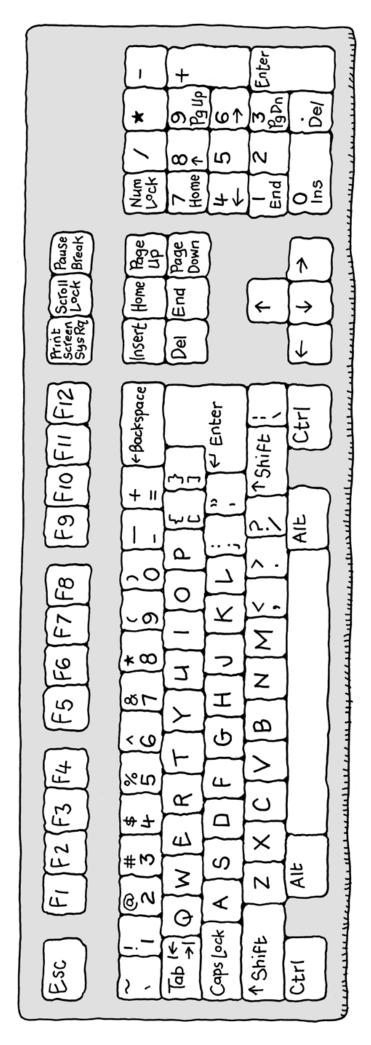


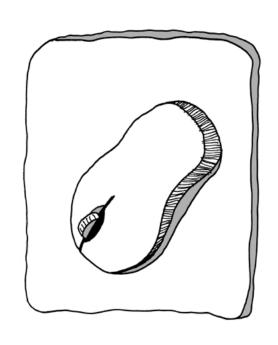
How to sit at the computer

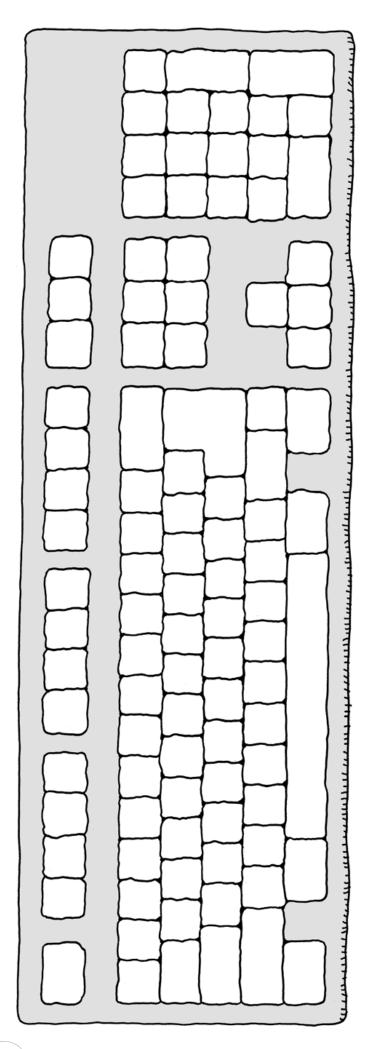
Are your forearms and hands in a straight line?

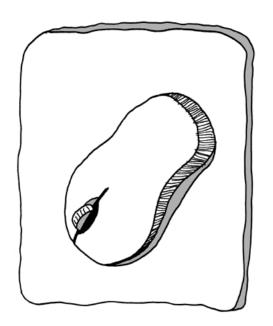


Go through this checklist with students before they begin work at the computer, and assist them in making any necessary adjustments. Encourage students to get into the habit of checking their own posture when they use a computer.









Year 3 Task Card 1

Going Bananas

- 1. Start a new document in a word-processing program.
- 2. Set up a timer for one minute.
- 3. Type as many words as you can from the passage below before the timer stops.
- 4. Check the number you reached. Record your score in the chart. This is your wpm (Words Per Minute*).
- 5. Set the timer again and repeat. See how fast you can get!

The jungle track was littered with banana skins. Alex quickly zipped the backpack and stared into the canopy overhead. Where had that dratted monkey got to?

Date	WPM	

Remember!

- Keep your eyes on the task card, not the keyboard.
- Try to use the correct fingers.
- Press the space bar with your thumb.



*Words Per Minute

Words Per Minute (wpm) is a way to see how fast you are typing. The average word is 5 letters long, so the wpm numbers are every five letters.

Babara Blackburn holds the title of fastest typist in the world with a speed of 212 wpm!

Pangram Challenge

- 1. Start a new document in a word-processing program.
- 2. Start a timer.
- 3. Type the **pangram*** below as quickly (and accurately!) as you can.

The five boxing wizards jump quickly.

- 4. Check the timer when you finish.
- 5. Write down the number of seconds you took. Try again and see how much faster you can get.
- 6. Try typing the other pangrams below. How fast can you type them?
- 7. **CHALLENGE**: Invent your own pangram and use it to practice your typing.

Date	Seconds

Remember!

- Keep your eyes on the task card, not the keyboard.
- Try to use the correct fingers.
- Press the space bar with your thumb.

* Pangrams

A pangram contains every letter of the alphabet. Examples include:

The quick brown fox jumps over the lazy dog.

Jackdaws love my big sphinx of quartz.

Below is a 'perfect pangram'. It uses every letter just once.

Mr Jock, TV quiz PhD, bags few lynx.

Invitation

- 1. Start a new document in a word-processing program.
- 2. Type in the first draft of the invitation, exactly as it appears below.
- 3. **SAVE** the file with a useful name such as **Party invitation**.
- 4. Edit the draft. Correct the spelling and split the long last sentence into two.
- 5. **SAVE** the file.
- 6. Check your edited draft against the answer on the back of this task card.
- 7. Fix any mistakes, then re-edit the draft. This time, change the classes, party location and date. Use classes and locations in your school.
- 8. **SAVE** the file and **PRINT** the document.

To Mrs Lexington's class:

You are all inviteed to a party in the Recreation Centre on Tuesday 17 December. Bring your sports shoes as we're gonna play some greete games and make sure you've got your drink botles cos it gets hot when you're running around for to long.

Cheers,

Mr Concord's class



Local Hero!

- 1. Start a new document in a word-processing program.
- 2. Type in the newspaper report below, exactly as it appears.
- 3. **SAVE** the document with a useful name such as **Olympics Report**.
- 4. Edit the document by replacing the words in capitals with your own details.
- 5. Insert a title in a larger and bolder font.
- 6. Use a digital camera to take your photo. Insert the photograph into the document.
- 7. Search a clip art collection for suitable pictures of the Olympic event you have chosen.
 Insert them into the document.
- 8. **SAVE** and **PRINT** your document.

Athens, Wednesday.

Olympic champion YOUR NAME won gold medal number NUMBER for Australia today with an outstanding display of skill in the EVENT. YOUR NAME said, "It was a tough competition but my five years of training in YOUR TOWN really paid off".

YOUR NAME's coach BEST FRIEND'S NAME was there for the win, and said, "I always knew that YOUR FIRST NAME could win gold, even when we were attending YOUR SCHOOL back in YOUR TOWN."

The Witches' Spellchecker

- 1. Start a new document in a word-processing program.
- 2. Type in the Witches' Spell
- 3. Use the spellchecker* to check and correct the spelling.
- 4. **SAVE** the document with a useful name such as **Witches' Spell**.
- 5. Now write your own witches' spell. Use some fancy witch words. Check and correct any spelling errors.



The Witches' Spell

Witch 1: Let's carst a spell that will beewitch!

Witch 2: A spell that makes them scratch and itch.

Witch 1: A spell that makes them jigg and danse!

Witch 2: A spell that sets them in a trance.

Witch 1: Let's captevate them with a charme.

Witch 2: But all in fun; we'd never harm!

Witch 1: And so enchannted, they'll abstane,

Witch 2: From setting kids homework again!

Spellcheckers

The spellchecker is usually located under the **Tools** menu. It will give you a list of possible replacement words that are spelt correctly. Use a dictionary to check the meanings if you need to.

Tab Key

Create the space after the : on each line by pressing the Tab key.

The start of each witch's speaking part will then line up exactly.

Sale! Sale! Sale!

- 1. Start a new document in a word-processing program.
- 2. Type in the advertisement below, exactly as it appears.
- 3. **SAVE** the document as **Watch Sale**.
- 4. Increase the font sizes of the first and second lines.
- 5. Choose three words from the next sentence to emphasise. Select each word and make it **bold**.
- 6. Find the phrase beginning 'half the... price.' Emphasise the phrase by selecting and underlining it.
- 7. Put each different kind of watch on a separate line and change to a bullet list.
- 8. Select the last paragraph and make the font very small. Change the style to italic.
- 9. Align the text so that all the lines are centred.
- 10. **PRINT** the document. Check it against the sample answer on the back of this task card.



Sale! Sale! Sale!

All watches out at half price!

For a limited time only, men's and women's watches are on sale at 50% off! Yes, that's right! Every watch is only half the recommended retail price. We've got smart watches, chronometers, diving watches, dress watches, pocket watches.

All prices based on recommended retail price. Personal shoppers only. Sale ends 18 April.

Thank-you Letter

- 1. Start a new document in a word-processing program.
- Type a thank-you letter, using the one below as a model. 2.
- **SAVE** the document with a useful file name such as 3. Thank-you Letter.
- Use the checklist to make sure you've included all the 4. features of a letter.

Ms Maria Bordotti
31 First Avenue
Port Albert WA 2999

Mrs Nellie Hampshire
29 First Avenue
Port Albert WA 2999

Tuesday 17 December 2002

Dear Mrs Hampshire,
Thank you for helping me with my school project about hospitals. It was very interesting talking to you about working as a nurse. My class really enjoyed my presentation.

Thanks again,

Maria Bordotti

Earmal Lattar Chacklist

Formal Letter Checkiist	
In my thank-you letter, I:	

- right-aligned the sender's name and address.
- left-aligned the receiver's name and address.
- inserted the date.

- ☐ included a greeting.
- ☐ included a thank-you.
- \square left a space for my signature.
- typed my name at the end.

Making a Class Presentation

Part 1: Choose a skill to teach

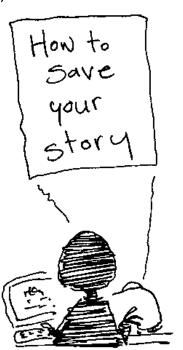
- 1. Think of a word-processing skill you could teach to younger students; for example, how to use the spellchecker or how to save a story.
- 2. Write down all the steps involved. Test your instructions on a classmate to make sure they work.

Part 2: Create the presentation

- 1. Start a new document in a presentation program like *PowerPoint*.
- 2. Type a title, for example 'How to Save Your Story'.
- 3. Type a subtitle, for example 'For Year Twos'.
- 4. Insert a new slide. Type in your first step, for example Click the File Menu.
- 5. Insert a new slide and type in the second step, for example **Click Save**.
- 6. Add a slide for each step. Then add one final slide with your name and **The End**.
- 7. **SAVE** your presentation with a useful file name such as **How to Save**.
- 8. Add illustrations. You might like to use a digital camera to photograph each step.
- 9. Add colour to your presentation by applying a colour scheme or theme.
- 10. **SAVE** your presentation.

Part 3: Test and share your presentation

- 1. Test your presentation to make sure it all works.
- 2. Show your presentation to a class audience.



Design a Canteen Menu

- 1. Start a new document in a word-processing program.
- 2. Press the Enter/Return key until you are just over halfway down the page.
- 3. Type the heading **Soup of the Day**.
- 4. Press Enter/Return and type an interesting (or funny!) soup name.
- 5. Press Enter/Return and type the heading **Main Courses**.
- 6. Press Enter/Return and type a selection of main courses. Use commas to separate the items on the list.
- 7. Press Enter/Return and type the heading **Desserts**.
- 8. Press Enter/Return and type a selection of desserts. Use commas to separate the items on the list.
- Soup of the Day
 Wobbling Walrus Soup
- Main Courses
 Giggle Grilled Cheese, Hilanious Hamburger,
- Silly Spaghetti, Chuckling Chili

 7 Desserts
- 3 Jolly Jelly Donut Holes, Banana Belly Splits
- 9. **SAVE** the document with a useful file name such as **Canteen Menu**.
- 10. Change the title fonts to a fancy one such as Brush Script.
- 11. Select each heading in turn and increase the font size.

 Make each one bold.
- 12. Insert appropriate clip art around the text.
- 13. **SAVE** and **PRINT** the menu.
- 14. Fold the printed page so that the menu is on the inside.
- 15. Write Canteen Menu on the front in fancy lettering.



Movie Synopsis

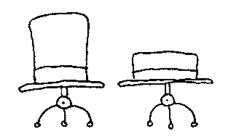
You've typed up the synopsis for a great movie, but the producers want a few changes . . .

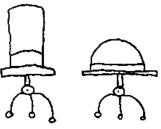
- 1. Start a new document in a word-processing program.
- 2. Type in the movie synopsis below, exactly as it appears.

Keppi Capp is a bright but iresponsible child who finds working in her father's hat shop a boring chorr. But that all changes when a misterious stranger leaves a magic flute behind and she is faced with the task of returning the flute to its wrightful owner.

Now, to satisfy the producers . . .

- 3. Check the spelling and make corrections. (There are four to find!) But don't correct Keppi's name.
- 4. Think of a name for the movie, and insert it as a title.
- 5. Change the personal pronouns from her/she to his/he. Change Keppi's first name to suit.
- 6. Make the hat shop a different sort of shop.
- 7. Write two extra sentences that explain how the story ends.
- 8. **SAVE** the document with a useful title such as **Movie Synopsis**.







A Guided Tour of Your School

Part 1: Collect your resources

- 1. Make a list of interesting places around your school. This could include the front entrance, your playground, your classroom or a special garden.
- 2. Choose five different places from your list.
- 3. Use a digital camera to take a photograph of each place.
- 4. **SAVE** the five photographs on your computer.

Part 2: Write your commentary

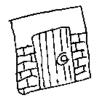
- 1. Start a new document in a word-processing program.
- 2. Write short comments on why each place is interesting.
- 3. **PRINT** the comments.
- 4. **SAVE** the document with a useful file name such as **School Tour**.

Part 3: Create your presentation

- 1. Start a new document in a presentation program such as *PowerPoint*.
- 2. Create a title slide.
- 3. Insert a slide for each location and give each one a title.
- 4. Insert the matching photograph to each slide.

Part 4: Practise and share you presentation

- 1. Practise reading the comments on your tour commentary sheet.
- 2. Use a microphone to record the commentaries onto each slide. (Ask your teacher for help doing this.)
- 3. **SAVE** the final version.
- 4. Present your tour to the rest of the class.





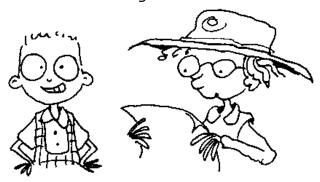






Science Report

Gina practised her science talk. Her friend wrote down it all down, word-for-word. It needs some editing!



Um, this is my science report on our four biggest planets. Jupiter, um, is the biggest planet. Saturn has 8 rings. Er, Saturn's rings are made of ice, dust and ashes. Oh, Jupiter is covered by a very thick layer of cloud. Neptune has 16 moons. Er, Uranus also has rings, they've so far found 13! Neptune was named after the Roman god of the sea. Um, I just remembered they've found over 140 moons around Saturn!

- 1. Start a new document in a word-processing program.
- 2. Retype the talk without all the "ums", "ers", "ohs" and "I just remembered".
- 3. SAVE your document with a useful name like Planet Talk.
- 4. Cut and paste the sentences so that all the information about each planet is kept together.
- 5. Type a main heading and change it to bold type.
- 6. Type sub-headings for each planet and make these ones *italic*.
- 7. **SAVE** the final document and **PRINT** it out.
- 8. Check the printed document against the one on the back of this task card.

My School Staff List

- 1. Start a new document in a word-processing program.
- 2. Type in the staff list below, exactly as it appears.

My School Staff List
Principal
Ms Edna Everlearn
Year 5 Teachers
Mr Marksalot, Mrs Quizbee

- 3. Click the top line. If you're using *Google Docs*, click the **Normal Text** drop-down menu on the toolbar and click **Title**. If you're using *Microsoft Word*, click **Title** from the **Styles** pane on the ribbon.
- 4. Click the word **Principal**. If you're using *Google Docs*, click the **Normal Text** drop-down menu on the toolbar and click **Heading 1**. If you're using *Microsoft Word*, click **Heading 1** from the **Styles** pane on the ribbon.
- 5. Click **Year 5 Teachers** and make it a **Heading 1**.
- 6. Change My School to the name of your school. Change Year 5 to your year level. Change the teacher names to those at your school.
- 7. Add other staff at your school. You can include teachers from other year levels, teaching assistants, office staff and other adults who you know who work at the school. Give each group a title. Format each heading as a **Heading 1**.
- 8. **SAVE** the document with a useful title such as **Staff List**.

What are word-processor headings?

Headings are used to show how important a section of text is. Titles are the most important. **Heading 1** is for main sections.

Why use word-processor headings?

- · They are quick to apply.
- · They look professional.
- Headings can be used to automatically make outline.

Recipe Card

- 1. Start a new document in a word-processing program.
- 2. Copy the recipe below, exactly as it appears.

Banana Ice-Blocks Ingredients banana 2 wooden ice-block sticks lemon juice crushed plain biscuits Directions Slice the banana in half. Slide a stick into each banana-half lengthwise. Mix the lemon juice with some water. Dip the bananas into the mixture. Roll the bananas in the crushed biscuits. Freeze before eating.



- 3. Put each heading, ingredient and instruction on a separate line.
- 4. Centre the title. Change the font style and increase the font size.
- 5. Change the font style and increase the font size of the two headings **Ingredients** and **Directions**.
- 6. Select the ingredients and use the **Bullets** button or **Command** to make a bullet list.
- 7. Select the six directions and use the **Numbering** button or command to make a numbered list.

Banana Ice-Blocks

Ingredients

- banana
- 2 wooden ice-block sticks
- · lemon juice
- · crushed plain biscuits

Directions

- 1. Slice the banana in half.
- 2. Slide a stick into each banana-half lengthwise.
- 3. Mix the lemon juice with some water.
- 4. Dip the bananas into the mixture.
- 5. Roll the bananas in the crushed biscuits.
- 6. Freeze before eating.

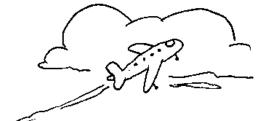
Serving Suggestion

- 8. Add a third heading, **Serving Suggestion**, then use a paint or drawing program to create a suitable illustration. Insert the illustration.
- 9. **SAVE** your work with a useful file name such as **Banana Ice-Blocks**.
- 10. **PRINT** out the recipe.

Travel Itinerary

A travel itinerary lists travel details, accommodation arrangements and appointments. Times are usually written using the 24-hour system.

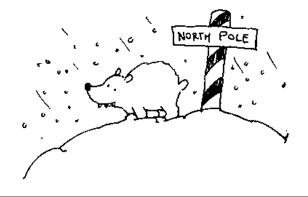
- 1. Start a new document in a word-processing program
- 2. Type in the travel itinerary below.
- 3. Add travel arrangements, accommodation and appointments for Wednesday and Thursday.
- 4. Replace the name with your own name.
- 5. Change the main heading to a larger font.
- 6. Make the date headings bold.
- 7. Insert some appropriate clip art to illustrate the itinerary.
- 8. **SAVE** your work with a useful file name like **Travel Itinerary**.



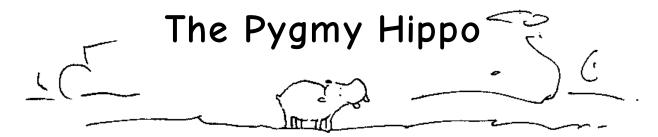
Travel I	cinerary for Ms Sophie Standish
Tuesday 2	23 December 2025
0730	Depart SYDNEY Qantas Airlines Flight 433
1420	Depart SYDNEY Qantas Airlines Flight 433 Arrive LONDON Depart LONDON North Pole Airlines Flight 25 Arrive NORTH POLE Accommodation: North Pole Hilton
1655	Depart LONDON North Pole Airlines Flight 25
2330	Arrive NORTH POLE
	Accommodation: North Pole Hilton

Remember!

 Press the Tab key after each entry. This will ensure the information is lined up.



Creating a web page



Word processors can save text as web pages you can view in a browser.

The pygmy hippopotamus is found in swamps and rivers, deep within the dark forests of western Africa.

Also known as Hexaprotodon liberiensis, the pygmy hippopotamus is actually quite large, usually being 1.5 m long and weighing over 250 kg. This animal is a herbivore, and eats grass, plants and leaves. When frightened, the pygmy hippopotamus will run into the jungle and hide. Pygmy hippopotamus will run into the for over forty years.

- 1. Read this paragraph about the pygmy hippopotamus.
- 2. Start a new document in a word-processing program.
- 3. Type in a title for the page. Format as **Title**. (See Task Card 3)
- 4. Type in these headings: Common Name, Zoological Name, Weight, Length, Country, Habitat, Life Span, and Diet. Format the headings as Heading 1.
- 5. Type in the information from the paragraph under the correct headings.
- 6. Include a picture of a pygmy hippo from the Internet.
- 7. Add two web site addresses where a reader could find more information.
- 8. Include a bibliography that includes the name of this task card and the place you copied the picture from.
- 9. Save the document as a web page. (You'll probably need to go to **Save as Web Page** under the **File** menu.) Use a useful file name such as **Pygmy Hippo**. You can view your saved web page by opening it in your web browser.

Party Invitations

- Start a new document in a word-processing program. 1.
- Type the party invitation below. 2.



Dear PERSON,

You are invited to a party at ADDRESS to celebrate EVENT on DATE.

Bring along your ITEM 1, as we have ITEM 2.

Looking forward to seeing you then!

- 3. Insert a page break*. This command is usually found under the **Insert** or **Format** menu
- Highlight the text you just typed and COPY it. 4.
- 5. Arrow down to the start of the new page and **PASTE** the copied text.
- Repeat steps 3-5 so you have a third copy of the text. 6.
- 7. Change the invitations to suit the different people listed in the table below. Don't forget to replace the capitalised words with appropriate words or phrases.

Receiver	Font	Clip Art
Young child	Large and lively	Colourful and interesting
Teenager	Medium-sized and 'cool'	Cool and fun
Adult	Smart and formal	Serious and a bit posh

- SAVE your document with a useful name like Invitations. 8.
- 9. **PRINT** out your invitations.

*Page Breaks

Page breaks start a new page in your document without pressing the Enter/Return key lots of times!

Choosing Your Words...

- Start a new document in a word-processing program. 1.
- 2. Type out the text below, then go back and add the underlining.

Type out the text below, then go back and add the underlining.

**Minimum Minimum Mini

- 3. The word 'very' is used too often. Delete or change the word into a better one. For example, replace 'very shiny' with 'extremely shiny'.
- Replace each of the underlined words with a synonym from 4. your program's thesaurus. Usually this command can be found under the **Tools** menu or by right-clicking a word. Be careful, though! Not all the synonyms listed will be appropriate. If in doubt, check the synonym's meaning in a printed dictionary.
- SAVE your new version with a useful name such as 5. Diamond Ad.
- PRINT your document, 6. and check it against the example on the back of this task card.

Class Newsletter 1

Part 1: Brainstorming

Work with a partner to brainstorm ideas for a class newsletter.

- 1. Start a new document in a word-processing program.
- 2. Type the title Class Newsletter Ideas. Format as a Title.
- 3. Type **New in Our Class** and format as a **Heading 1**. Under this heading, brainstorm and type ideas such as **New students**, **New topics** in science or **New Books**.
- 4. Type **Reports** and format as a **Heading 1**. Include here recent activities such as **Class excursions and camps**, **Sports events** or **Assemblies**.
- 5. **SAVE** your document with a useful file name such as **Newsletter Ideas**, and **PRINT** it out.

Part 2: Writing your articles

Choose two ideas from each category to write complete articles on.

- 1. Start a new document in a word-processing program.
- 2. Type Class Newsletter Articles. Format as a Title.
- 3. Type a catchy title for each article. Format as a **Heading 1**.
- 4. Type the text using the 5Ws of Reporting: **Who**, **What**, **Where**, **When**, **Why** (and **How**!).* Separate each article with a page break.
- 5. **SAVE** your work with a useful file name such as **Newspaper Articles**.

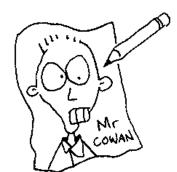
*Goldie the Goldfish Arrives

Our class (WHO) welcomed Goldie the Goldfish (WHAT) to our pet corner (WHERE) on Monday morning (WHEN). Goldie replaces Tangerine (WHY), who vanished mysteriously after a visit from the principal's cat.

Class Newsletter 2

Part 3: Review and edit your articles

- 1. **OPEN** the **Newspaper Articles** document from Task Card 1.
- 2. Read your articles again and make any changes you think are necessary, for example checking the spelling or adding any relevant new information.
- 3. Take digital photographs or draw pictures to illustrate your text. (Ask your teacher to help you **SCAN** your drawings.)



Part 4: Create your newsletter

 Change the title to suit your class. For example, Room 7 News or Year 6 Update.



- 2. Insert a publication date.
- 3. Insert your photographs and scans. Resize them to fit the text.
- 4. **SAVE** your work with a new useful file name (**SAVE AS**)that includes the date, for example **Class Newspaper—Aug 2025**.

Part 5: Format your newsletter

- 1. Format your page into columns:
 Select all your newsletter EXCEPT for the title and date. Look for the Columns command under the Format menu. (Ask your teacher if you need help with this.) Two or three columns are usually enough.
- 2. Change the **Headings** and **text** styles:
 If you're using *Microsoft Word*, click the **Design** tab and choose from the different options. All your headings and text will update automatically. If you're using *Google Docs*, change the font or size of a heading. Click the **Normal** text drop down menu and hover over **Heading 1**. Click the **Update** option and all the headings will change to match. You can also do this with normal text.



3. **SAVE** then **PRINT** your newsletter.

Animal Names

In the box below and to the right you'll find the group, female, male and baby names for the alligator, crocodile, hippo and kangaroo. But the information would be much easier to read in a table.

- 1. Start a new document in a word-processing program.
- 2. Type the title **Animal Names** and format as a **Title**.
- 3. Insert a table with five rows and five columns. This command is usually found under the **Table** menu.
- Type the column headings:
 Animal, Female, Male, Baby,
 Group.
- Type the row headings:
 Alligator, Crocodile,
 Hippopotamus, Kangaroo.
- 6. Type in the information for each animal.
- 7. Select the column headings and make them **Bold**.
- 8. Select the row headings and make them **Bold**.
- 9. **SAVE** your work with a useful file name like **Animal Names**.

Animal: alligator

Yanaanaanaanaanaanaanaanaanaanaanaa

Female: cow

Male: bull

Baby: hatchling

Group: congregation

Animal: crocodile

Female: cow

Male: bull

Baby: crocklet

Group: congregation

Animal: hippopotamus

Female: cow

Male: bull

Baby: calf

Group:huddle

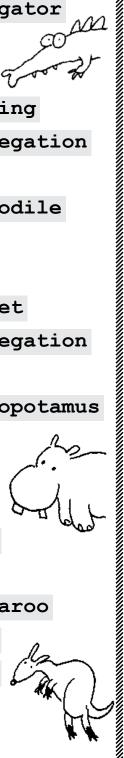
Animal: kangaroo

Female: flyer

Male: boomer

Baby: joey

Group: mob



Animal Wordsearch

- 1. Start a new document in a word-processing program.
- 2. Type a title such as **Animal Wordsearch**.
- 3. Format your title as a **Title**.
- 4. Decide on a size for your wordsearch grid, for example, 10 columns wide x 10 rows high. Insert a table of this size. This command is usually found under the **Table** menu.
- 5. Under this table, type a list of animal names.
- 6. Press the CAPS LOCK button on the keyboard. Type the animal names into the table, one letter to each space.
- 7. Remember that the words can run horizontally, vertically or diagonally. Try to interlock the words as you type.
- 8. When you've finished, delete any words on your list that didn't fit into the wordsearch.
- 9. Fill any empty squares in the grid with random letters, or with the letters of a 'secret' word or message that can be spotted once all the animal names are found.
- 10. **SAVE** your work with a useful name such as **Animal Wordsearch**.
- 11. **PRINT** the wordsearch, then have a partner try it.

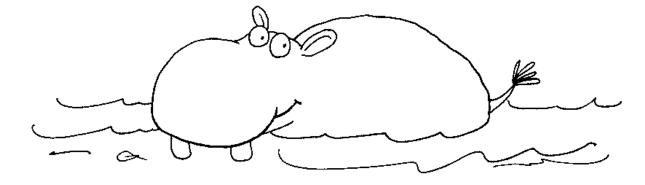


Formatting Tables

- To centre your letters horizontally, select the whole table and click **Align Centre** on the toolbar or ribbon.
- To centre your letters vertically, right click your table and click Table Properties. Find and change Column Width and Row Height so they are the same.

Pygmy Hippo Presentation

- 1. Start a new document in a presentation program such as PowerPoint.
- Type a title such as Pygmy Hippos on Parade.
- 3. Type your name as a by-line.
- 4. Insert a new slide. Type the title **Size and Shape**.
- 5. Insert new slides with the titles **Habitat**, **Food** and **Family Life**.
- 6. Add one final slide with **The End**.
- 7. Add notes to each page to refer to as you give the presentation. You could start with the information from Year 5 Task Card 6.
- 8. Use an online search to find more information. Collect appropriate pictures, sounds or video and insert them into your presentation.
- 9. **SAVE** your presentation with a useful file name such as **Pygmy Hippo Presentation**.
- 10. Show the presentation to a class audience.



Keep your	slides	clean	and
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Presentation Checklist

uncluttered. (Don't pout what you're saying on the screen!)

☐ Use one large picture rather than lots of smaller ones.

 Keep the design professional.
 (keep your fonts and layout the same on each slide)

☐ Practice your presentation.

Have your notes separate from the slides.

Teachers — print these answers, cut them out and stick them on the backs of the relevant task cards. Students can use them to self-evaluate their work once they have completed the activity on the front of the card.

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Sample answer to Year 3 Task Card 3

To Mrs Lexington's class:

You are all <u>invited</u> to a party in the Recreation Centre on Tuesday 17 December. Bring your sports shoes as we're <u>going</u> to play some <u>great</u> games.

Make sure you've got your drink <u>bottles</u> <u>because</u> it gets hot when you're running around for <u>too</u> long.

Cheers, Mr Concord's class.

Answer to Year 3 Task Card 5

Witch 1: Let's cast a spell that will bewitch!
Witch 2: A spell that makes them scratch and itch.
Witch 1: A spell that makes them jig and dance!

Witch 2: A spell that sets them in a trance. Witch 1: Let's captivate them with a charm.

Witch 2: But all in fun; we'd never harm!
Witch 1: And so enchanted, they'll abstain
Witch 2: From setting kids homework again!

≿------

Sample answer to Year 4 Task Card 1

Sale! Sale! Sale! All watches out at half price!

For a **limited** time only, men's and women's **watches** are on sale at **50%** off! Yes, that's right! Every watch is only half the recommended retail price.

We've got

- smart watches
- chronometers
- diving watches
- dress watches
- pocket watches

All prices based on recommended retail price. Personal shoppers only. Sale ends 18 April.

Teachers — print these answers, cut them out and stick them on the backs of the relevant task cards. Students can use them to self-evaluate their work once they have completed the activity on the front of the card.

×------

Sample answer to Year 5 Task Card 2

Our Four Biggest Planets

This is my science report on our four biggest planets.

Jupiter

Jupiter is the biggest planet. It is covered by a very thick layer of cloud.

Saturn

Saturn has 8 rings. The rings are made of ice, dust and ashes. It has over 140 moons!

Neptune

Neptune has 16 moons. Neptune was named after the Roman god of the sea.

Uranus

Uranus also has lots of rings—it has 13.

×------

Sample answer to Year 5 Task Card 8

Buy this <u>attractive</u> diamond ring!

This polished ring is new and extremely glittery. The non-natural stones look authentic and only a genuine jeweller could tell the difference.

So if you're looking for an <u>extraordinary</u> present for a <u>unique friend</u>, look no further.

A great deal at only \$1.85.



Computer skills checklist — Years 3-4

ACARA Version 9.0 National Literacy Learning Progression Writing sub-elements for Keyboarding: **HwK6**, **HwK7**

N	lame	Date Observed	Comment
a	Positions a chosen device in a way that facilitates efficient and sustained text creation		
<u>ම</u>	Uses knowledge of the keyboard layout and functions to type texts		
<u>ම</u>	Selects and inserts visual, print and audio elements into texts		
<u>ම</u>	Monitors goals that build on typing accuracy and rate		
a	Uses word-processing program functions or augmentative and alternative communication (AAC) to draft and revise texts		
<u>ම</u>	Uses search, filter, select, download and save relevant to digital information		
<u>ම</u>	Begins to develop quick finger action when keying		
<u>ම</u>	Fluently handwrites and types to produce a range of texts		
<u>ම</u>	Self-corrects using appropriate keyboard and screen functions		
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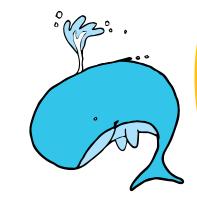


Computer skills checklist — Years 5-6

ACARA Version 9.0 National Literacy Learning Progression Writing sub-elements for Keyboarding: **HwK8**

Name	Date Observed	Comment
Evaluates and selects applications and tools to create text to suit audience and purpose		
Navigates the keyboard with efficiency and accuracy when typing words, numerals, punctuation and other symbols		
10 Understands that the position of the device in relation to the user can affect posture and glare		
Reflects on and monitors typing accuracy and rate according to goals and given criteria		
 Uses taught shortcut functions on digital tools to facilitate text creation 		
Demonstrates automaticity when using keyboarding and screen functions		

During Years 3-6, students will first learn the basics of Modern Cursive handwriting, become comfortable with and consolidate these skills, and then begin to develop their own personal style. These are crucial years in students' development of fluent and legible handwriting. The TARGETING HANDWRITING Years 3-6 Teacher Resource Book provides everything you'll need to give your students a thorough grounding and lots of practice in all the vital handwriting skills.



The TARGETING HANDWRITING Years 3-6 Teacher Resource Book features:

- information on the mechanics of writing
- specific teaching notes on all the different joins
- a troubleshooting chart to help you identify and remedy handwriting difficulties
- handwriting skills checklists
- 45 worksheets to help students consolidate and extend their handwriting skills.

