English Alphabetic Code with the International Phonetic Alphabet

The English language has a fascinating history — but this has resulted in a complex **alphabetic code** for the writing system whereby the 26 letters of the alphabet represent the 44 or so smallest sounds identifiable in English speech in three complicated ways:

- 1. one sound (phoneme) can be represented by one, two, three or four letters: e.g. [a] a in apple, [f] ph in photograph, [igh] igh in night, [oa] ough in dough
- 2. one sound can be represented by multiple spelling alternatives (graphemes): e.g. /oa/: o, oa, ow, oe, o-e, eau, ough
- 3. one grapheme (letter or letter group) can represent multiple sounds: e.g. 'ough': loa! though, lor! thought, long loo! through, lou! plough, lu! thorough
 On this Alphabetic Code Chart, the units of sound (phonemes or combined phonemes) are shown in slash marks. Vowel sounds are shown in red and consonant sounds
 are shown in blue. The vowel sounds provide the main volume and depth in spoken words whereas the consonant sounds are generally much quieter and sometimes very
 high-pitched such as |s| and |t|. Teachers need to teach the separate units of sounds carefully, avoiding the added 'schwa' or "uh" sound: e.g. "sss" not "suh"; "t" not "tuh".

units of sound + IPA symbols	simple code key words	complex code + key words		graphemes or spelling alte which are code for the s		ernatives	information
<mark>a</mark> æ	apple						The Synthetic Phonics Teaching Principles
e ε	egg egg	-ea	-ai said again	than Local to the same of the			Teach the KNOWLEDGE of the alphabetic code; that is, the letter/s-sound correspondences.
/i/ /ɪ/	insect insect	-y www.					Teach the THREE CORE SKILLS: 1. DECODING: Sound out and
\a\	O Sectopus	watch	QUA qualify		alt is		blend all-through-the-printed-word for reading unknown words.
/ u / ///	U wmbrella	O son	-OU touch	ough	NO THEODOLINGARE		2. ENCODING: Orally segment (identify) the sounds all-through-the-spoken-word for spelling; then select the correct graphemes AS CODE
/ai/	ai first aid	-ay	Q table	-ae sundae	a-e		FOR the identified sounds in that particular word. 3. HANDWRITING: Hold the
/eɪ/		-ey	-ea	eigh 8		-aigh straight	pencil with the <i>tripod grip</i> and form correctly the 26 upper case and 26 lower case letters on writing lines .

ee	ee 3	ea _t	e 🎉	e-e			Teach a s transpare spelling fo
/i:/	CCI	-ey 🖟	-ie	-ime			two to fiv correspon simple cod code — a f
between /i and ee/	-y	-ey The monkey	-ie				teaching t Keep the s begin to i
/ igh / /aɪ/	-igh	-ie	į beh <mark>i</mark> nd	-y	i-e	eider duck	pronunci the comp advanced
loa!	OA voo	OW %	O yo-yo	-06 -06	O-e		appropria ability of
/əʊ/		-ough	The sure	-eau	To the second		Provide a sentences 1. to mo for spellin
/ y+00 / /j/ + /u:/	-ue	U unicorn	u-e	ew inew	eu pneumatic drill	3	2. for ea his or her segmenting
short /00/ /ひ/	-OO book	-oul	WANDS WANDS	-U push	O wolf wo	lves	increasing Provide c i reading
long /00/	00 C	-ue	u-e	-6M		-ui	te Teach a s
/u:/		-OU soup	-O move	minima D	-ough		synthetic alongside any letter as require
/io\ /IC\	Oi Sintment	Oy 🙀					reading a wider curr groups an

Teach a **simple code** (basic or transparent) first; that is, mainly one spelling for each sound at a rate of two to five letter/s-sound correspondences per week. The simple code is part of the complex code — a **first step** towards teaching the alphabetic code.

Keep the simple code revised and begin to introduce **spelling and pronunciation alternatives** of the **complex code** (*extended*, *advanced or opaque code*) at a rate appropriate to the age, stage and ability of the learners.

APPLICATION

Provide a *cumulative* bank of words, sentences and texts at code level:

- **1. to model** blending, segmenting for spelling, and handwriting
- 2. for each learner to practise his or her growing skills of blending, segmenting and handwriting increasingly independently.

Provide cumulative, decodable reading books at code level.

'Two-pronged' teaching approach

Teach a **systematic**, planned synthetic phonics programme alongside **incidental** teaching of any letter/s-sound correspondences as required for differentiation, wider reading and spelling and for the wider curriculum - for individuals, groups and whole classes.

/ ou / /aʊ/	OU ouch!	OW owl	-ough				Accents Teaching the English alphabetic code is not an 'exact science' and accents need to be taken into
/ ar / /a:/	artist	Q father	alm salm	-alf	-alves		account at all times along with the notion of 'tweaking' (modifying) pronunciation when decoding to reach the correct target word or
/or/ /ɔ:/	Or fork	oars oars	-oor	ore snore	-our		preferred pronunciation. Schwa effect for reading
or /aw/	aw _{dawn}	au sauce	-al chalk	wardrobe	QUAT quarter		Modifying pronunciation also helps to raise awareness of the schwa effect (unstressed syllables) whereby, in reality, a sound close to hules is the
dependent upon regional or national accents		augh caught		ough			spoken translation of the written code in words such as 'sof a ' (sof u), 'fast er ' (fast u), 'litt le ' (litt ul),
/ur/or/er/ /3:/	er mermaid	ir birthday	ur nurse	earth =		WOY world	' a round' (u round). This is common. Schwa effect for spelling Be aware of the schwa effect when
'schwa /er/' or 'schwa /u/' /Ə/	-er	-OUT		-re	-ar	Or sailor	segmenting spoken words for spelling. The ability to spell accurately relies
/ air / /ɛə/	air	-are	-ear	-ere ?			on a growing awareness of spelling alternatives and knowledge of spelling word
/eer/ /IƏ/	eer deer	ears ears	-ere	-ier			banks (words with the same spelling and sound). This knowledge takes much longer to acquire. Emphasise the process for spelling of
/oor/ /ਹə/	-oor	-ure					SOUND-TO-PRINT rather than relying on visual memory and recall of letter order and letter names.
/ y + oor / /j/+/ບə/	-Ure	Ţ					Decoding is the reverse process: PRINT-TO-SOUND.

units of sound + IPA symbols	simple code key words	complex + key wo		graphemes or spelling alternatives which are code for the sounds			information
/b/	b	-bb	bu building				The notion of a 'code' Root all the teaching for decoding and encoding in the CODE - that is,
/k/ /k/	kit **	C cat	-ck	chameleon	QU bouquet	que plaque	the relationship between the sounds of speech and their spelling alternatives (the graphemes). This
/ d / /d/	d dig	-dd puddle	-ed fined				means avoiding the following ideas: *that letters 'say' sounds - they say nothing, they simply prompt us to
/ f / /f/	feathers	-ff cliff	photograph	-gh			generate the sounds either 'aloud' or silently 'in our heads' *that there are 'silent' letters as in
/ g / /g/	g _{girl}	-gg 🞉	gu 🎸	gh J	-gue	in the second se	' k n', ' w r', 'm b ', ' g n' and so on — these are simply further graphemes which ARE CODE FOR the sounds —
/ h / /h/	h hat	who?					this is consistent, for example, with saying that the grapheme ' igh ' is code for the / igh / sound (we don't suggest that ' gh ' are 'silent letters'
/j/ /dʒ/	j jug	-ge cabbage	gerbil	giraffe	gymnast 🔏	-dge	in the grapheme ' igh ') *that the end letter 'e' of split digraphs a-e , e-e , i-e , o-e and u-e
/ L / ///	ladder	-ll shell					"make the preceding vowel SAY ITS NAME" — this is inconsistent with modern synthetic phonics teaching
/u+ l / /əl/	-le les	-il pencil	-al	TI TI	-el	1	rooted in the 'alphabetic code'. To work out 'the code', start from a whole spoken word said
/m/ /m/	map	-mm	-me welcome	-mb	-mn		slowly. Orally segment the word into its sounds and map those onto the graphemes in the written word.

/ n / /n/	n net	-nn	kn who knot	gn gnome	-ne		THE SUB-SKILLS OF THE THREE CORE SKILLS
/ ng / /ŋ/	-ng	-n jungle					DECODING SUB-SKILLS: Without print — hear the individual sounds of a word and 'discern' the word (= oral
/ng+k/ /ŋ/+/k/	-nk	-nc uncle					blending): hear /z/ /i/ /p/, say "zip"; hear /k/ /oa/ /t/, say "coat" With print — see the graphemes
/ p / /p/	p of	-pp					and say the sounds to automaticity; see s , say / s /; see oa , say / oa /; see ph , say / f /
/k+w/ /k/+/w/	QU queen	-kW awkward					Use capital letter resources — not just lower case letters. Capital letters ARE THE SAME CODE AS
r 	r _{rat}	-rr	Wr	rh rhinoceros	Matura de la companya del companya de la companya del companya de la companya de		lower case letters. ENCODING SUB-SKILLS: Without print — hear the whole
Isl	S snake	-SS glass	-Ce palace	C@ sents	C [°]	Cy bicycle	spoken word said slowly, train the learner to split the word into its constituent sounds from beginning to end (= oral segmenting): "zip"
/s/		-Se house	SC Scissors	-St-	PS pseudonym		"/z/ /i/ /p/"; "coat" "/k/ /oa/ /t/" (with no print, you can use any sounds) -use the left hand, palm facing to
/t/ /t/	t	-tt letter	-ed skipped	pt pterodactyl	-bt debt		tally the separate sounds onto the thumb and fingers from left to right With print — select grapheme tiles or magnetic letters, or write the
/v/	V violin	-Ve dove					letters, to spell the sounds identified [Use <i>manipulatives</i> , such as grapheme tiles, at the basic code
/w/	W web	wheel	-U penguin				stage for young learners as they get to grips with handwriting skills — then focus on <i>handwriting</i> to spell.]

/k+s/ /k/+/s/ /g+z/	-X fox	-RS plurals: books	-CRS ducks	-kes	-CS I love picnics.	HANDWRITING SUB-SKILLS: Demonstrate the correct tripod hold – for young learners say, "Froggy legs with the log under" — pinch the pencil with thumb and forefinger
/g/+/z/	-X exam	plurals: pegs	-ggs ≥		-gues catalogues	just above where the cone end slopes, make a fist and place the
/ y / /j/	y _{awn}					middle finger beneath the pencil to form the tripod hold, or grip, (small hands struggle to 'grip' fat pencils or marker pens, use regular-sized
z z	Z zebra	-ZZ	-S fries	-Se cheese	-Ze X X xylophone	pencils) Air write, finger-trace and copy- write graphemes whilst saying the sound — this is 'multi-sensory'
/ ch / /tʃ/	chairs	-tch		/ ch + u / /tʃ/+/ə/	-ture	linking sounds to shapes and handwriting the shapes (e.g. say /ch/ for 'ch' — not /k/ /h/)
/ sh / /ʃ/	sheep	ch chef	-ti	-Ci magician	-SSi admission	Mini whiteboards are suitable for quick-fire 'show me' activities; for handwriting practice — use
unvoiced /th/ /0/	th thistle			voiced /th/ /ð/	th there	paper and pencil routines sitting with good posture at desks, paper slanted, spare hand holding paper steady
/ zh / /ʒ/	-Si television	-S treasure	-Z azure (blue)	G &	-ge collage	BE VIGILANT for learners hooking their wrists around and writing 'above' the words on the page — ensure they write 'below' the words.

Please note that this version of an Alphabetic Code Chart is not definitive. Further code may be discovered in both common and unusual words. The word 'qiraffe', for example, is common but the grapheme '-ffe' is rare AS CODE FOR the sound /f/. Add discovered code to the chart or to the MAIN PHONICS DISPLAY WALL. On this chart, a grey dash indicates that the particular letter/s-sound correspondence is unlikely to begin a word.

Hollow letters alert the reader to various possible pronunciations; for example, wa could be the code for /w+a/ as in 'waq', but is more likely to be /w+o/ as in 'watch'. This is a generic alphabetic code chart highlighting the vowel sounds followed by the consonant sounds. Alphabetic Code Charts can be designed to be programme-specific according to the order that the letter/s-sound correspondences are introduced and with specific mnemonic systems (aids to memory for the sounds and/or spellings). Vowel sounds can be spelled with both vowel letters and consonant letters such as 'igh', 'ow', 'or', 'ough'. Teachers need to make clear when they are referring to vowel or consonant sounds, or vowel or consonant letters. For further information, see synthetic phonics quidance documents at www.phonicsinternational.com