

The Patterns of English Spelling on the A Pages with their Word Families Put in Sentence Context on the B Pages

Volume 2

The Short Vowel -- CVCC Families

Such as:

a	e	i	o	u
band	bend	wind	pond	fund
match	sketch	pitch	Scotch	Dutch
camp	hemp	limp	romp	dump
fact	direct	depict	concoct	deduct

& Miscellaneous Relatives

By

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Contents of The Basic Patterns of English Spelling by Volumes

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A Matrix Index by Vowels and Consonant Blends & Digraphs

	a	e	i	AH	U (UH)	AW	uu							
ch	rich	203A	much	205A						
ck	back	214A	deck	215A	lick	215A	lock	216A	luck	216A	....	....
ct	fact	223A	direct	224A	evict	225A	concoct	226A	deduct	226A	....	....
dge	badge	212A	ledge	212A	ridge	212A	dodge	212A	fudge	212A	....	....
dth	....	....	breadth	280A	width	280A	....	....	....	....	....	....
ft	raft	232A	left	232A	gift	232A	....	....	tuft	232A	....	....
lch	....	....	belch	208A	filch	208A	....	....	mulch	208A	Walch	208A	....
ld	Donald	240A	held	240A	build	240A	....	....	....	bald	240A	could	241A	
lf	half	243A	shelf	243A	pilfer	243A	....	....	gulf	243A	golf	243A	wolf	243A
lk	talc	245A	elk	245A	milk	245A	....	....	bulk	245A	talk	244A	....	....
lm	....	....	helm	246A	film	246A	calm	246A	....	....	....	....	....	....
ln	....	....	....	....	kiln	246A	....	....	....	....	....	....	....	....
lp	scalp	246A	help	246A	....	....	....	....	gulp	246A	....	....	....	....
lse	....	....	else	264A	....	....	....	....	pulse	264A	false	264A	....	....
lt	....	....	felt	247A	jilt	247A	....	....	adult	248A	salt	247A	....	....
....	....	....	....	....	....	....	....	....	....	....	fault	247A	....	....
lth	....	....	health	280A	....	....	....	....	....	....	....	....	....	....
lve	valve	380A	shelve	243A	....	....	....	....	....	....	....	....	....	....
mp	camp	269A	hemp	269A	limp	270A	romp	269A	lump	270A	....	....	....	....
mpse	....	....	glimpse	264	....	....	....	....	....	....	....	....	....	....
mpt	....	....	tempt	269A	....	....	prompt	269A	....	....	....	....	....	....
nce	dance	257A	fence	257A	since	257A	....	....	....	....	....	....	....	....
....
nch	ranch	206A	French	206A	pinch	206A	conch	207A	lunch	207A	launch	207A	....	....
nd	band	227A	bend	228A	wind	229A	bond	230A	fund	230A	....	....	....	....
....
ng	bang	217A	length	217A	sing	218A	....	....	lung	219A	long	219A	....	....
nge	flange	213A	avenge	213A	hinge	213A	....	....	plunge	213A	....	....	....	....
nk	bank	220A	....	....	link	221A	....	....	bunk	222A	conk	222A	....	....
....	....	....	....	....	....	....	....	....	monk	222A	....	....	....	....
nse	expanse	263A	dense	263A	rinse	263A	response	263A	....	....	....	....	....	....
nt	plant	249A	tent	250A	print	251A	....	....	....	....	....	....	....	....
....
....
nth	....	....	....	....	....	....	....	....	....	....	....	....	....	....
nx	manx	267A	....	....	lynx	267A	....	....	....	....	....	....	....	....
pse	lapse	263A	....	....	eclipse	263A	....	....	....	....	....	....	....	....
pt	adapt	238A	kept	238A	script	239A	adopt	239A	abrupt	239A	....	....	....	....
sh	cash	209A	fresh	209A	fish	210A	frosh	210A	brush	211A	wash	209A	push	211A
sk	mask	271A	desk	271A	risk	271A	....	....	husk	271A	....	....	....	....
sm	spasm	272A	....	....	optimism	272A	....	....	....	....	....	....	....	....
sp	gasp	273A	....	....	lisp	273A	....	....	....	....	....	....	....	....
st	fast	233A	best	234A	list	235A	....	....	....	....	....	....	....	....
ste	caste	274A	....	....	....	....	....	....	....	....	....	....	....	....
tch	match	201A	fetch	202A	pitch	203A	Scotch	204A	Dutch	205A	....	....	....	....
th	path	275A	Beth	275A	with	276A	....	....	....	....	....	....	....	....
....	....	....	breath	....	....	....	....	....	....	....	....	....	....	....
....
the	....	....	....	....	....	....	....	....	....	....	....	....	....	....
....
x	tax	265A	sex	266A	six	267A	box	268A	flux	268A	....	....	....	....
tz	ersatz	654A	Steinmetz	654A	Fritz	654A	....	....	....	....	....	....	....	....

A Matrix Index by Vowels and Consonant Blends & Digraphs

	AY		EE		YH		OH		OO		OW		OY
ch		beech beach	437A 437A	....		coach	437A	hooch	437A	couch	437A	....
ck
ct
dge
dth
ft
lch		Dolch	208A	....	....	....	....	....
ld		field	242A	mild	240	mold mould	241A 241A	....	....	....	....	....
lf
lk		folk	245A	....	....	....	....	....
lm
ln
lp
lse
lt		bolt	248A	....	....	....	....	....
lth
lve
mp
mpse
mpt
nce	bounce	257A	....
nch
nd		fiend	442A	kind	229	....	wound	231A	found	231A	....	....
ng
nge	range	213A	....	....	....		orange	213A	....	....	....	....	....
nk
nse
nt	paint	253A	....	....	pint	251	don't	249A	....	....	count	252A	point 253A
nth
nx
pse
pt
sh	swoosh	210A	....	....	....	....
sk
sm
sp
st	waist	237A	feast	237A	heist	237	post	235A	boost	237A	Faust	236A	moist 236A
ste	waste	274A	....	....	....		toast	235A	....	....	roust	236A	....
tch
th	faith	278A	Keith teeth	278A 278A	....	....	growth oath both	280A 277A 277A	Ruth tooth sleuth uncouth	278A 277A 278A 277A	mouth	277A	....
the	bathe	279A	breathe seethe	279A 279A	tithe	279	loathe clothe coax	279A 279A 268A	soothe	279A	....	....	....
x

Index to The CVCC Spelling Patterns By Ending Consonant/s

Digraphs (Mostly)

ch clanpage th clan page

-	rich	203A	th	path	275A
-	much	205A	th	Beth	275A
t	match	201A	th	breath	275A
t	stretch	202A	th	with	276A
t	pitch	203A	th	cloth	276A
t	Scotch	204A	th	both	277A
t	Dutch	205A	th	oath	277A
l	Walch	208A	th	truth	278A
l	belch	208A	th	tooth	277A
l	filch	208A	th	Keith	278A
l	Dolch	208A	th	youth	277A
l	mulch	208A	th	mouth	277A
n	ranch	206A	th	smooth	277A
n	French	206A	th	sleuth	278A
n	pinch	206A	th	faith	278A
n	conch	207A	th	teeth	278A
n	lunch	207A	the	breathe	279A
n	launch	207A	the	tithe	279A

"k" SOUND: ck

ck	back	214A	the	soothe	279A
ck	deck	215A	the	loathe	279A
ck	lick	215A	th	width	280A
ck	lock	216A	th	length	217A
ck	luck	216A	th	health	280A

"k" sound + "s"

x	tax	265A	th	growth	280A
---	-----	------	----	--------	------

"j" or ge digraph

x	sex	266A			
x	mix	267A			
x	box	268A	d	badge	212A
x	coax	268A	d	ledge	212A
x	flux	268A	d	ridge	212A
			d	dodge	212A
			d	fudge	212A
			n	orange	213A
sh	cash	209A	n	strange	213A
sh	wash	209A	n	revenge	213A
sh	fresh	209A	n	sponge	213A
sh	fish	210A	n	plunge	213A
sh	frosh	210A	n	hinge	213A

"sh" sound

sh	swoosh	210A			
sh	brush	211A			
sh	push	211A	nk	thank	220A

"ng" digraph

ng	bang	217A	nk	link	221A
ng	length	217A	nk	conk	222A
ng	sing	218A	nk	monk	222A
ng	long	219A	nk	bunk	222A
ng	lung	219A			

"nx" = "ng" + "ks"

nx	Manx	221A			
nx	lynx	221A			

Blends (Mostly)

"k" + "t"

ct	fact	223A
ct	direct	224A
ct	evict	225A
ct	concoct	226A
ct	deduct	226A

"f" + t

ft	raft	232A
ft	left	232A
ft	gift	232A
ft	soft	232A
ft	tuft	232A

"l" + ____

c	talc	244A
ch	Walch	208A
ch	belch	208A
ch	filch	208A
ch	Dolch	208A
ch	mulch	208A
d	bald	240A
d	held	240A
d	build	240A
d	mild	240A
d	field	242A
d	mold	241A
d	could	241A
d	mould	241A
f	alf	243A
f	half	243A
f	shelf	243A
f	pilfer	243A
f	golf	243A
f	wolf	243A
f	gulf	243A
k	talk	244A
k	caulk	244A
k	elk	245A
k	milk	245A
k	folk	245A
k	bulk	245A
k	ask	271A
m	calm	246A
m	helm	246A
m	film	246A

more "l" + _

n	kiln	246A
P	scalp	246A
P	help	246A
P	gulp	246A
se	false	264A
se	else	264A
se	pulse	264A
t	salt	247A
t	fault	247A
t	felt	247A
t	jilt	247A
t	bolt	247A
t	adult	248A
th	health	280A
ve	shelve	243A

"m" + ____

p	camp	269A
p	hemp	269A
p	limp	270A
p	romp	269A
p	lump	270A
pse	glimpse	264A
pt	tempt	269A
pt	prompt	269A

"n" + ____

d	band	227A
d	bend	228A
d	kind	229A
d	wind	229A
d	bond	230A
d	found	231A
d	wound	231A
d	fund	230A
ce	balance	258-9A
ce	dance	257A
ce	elegance	254A
ce	confidence	260-2A
ce	fence	257A
ce	innocence	255-6A
ce	since	257A
ce	bounce	257A
ce	dunce	257A
th	month	280A

more "n" + _e

se	expanse	263A
se	suspense	263A
se	rinse	263A
se	response	263A
t	elephant	254A
t	plant	249A
t	paint	253A
t	haunt	252A
t	innocent	255A
t	tent	250A
t	pint	251A
t	print	251A
t	don't	249A
t	front	249A
t	point	253A
t	count	252A
t	hunt	249A

"p" + ____

se	lapse	263A
se	eclipse	263A
t	adapt	238A
t	kept	238A
t	script	239A
t	adopt	239A
t	corrupt	239A

"s" + ____

k	mask	271A
k	risk	271A
k	husk	271A
m	spasm	272A
m	optimism	272A
p	gasp	273A
p	lisp	273A
t	fast	233A
t	waist	237A
t	exhaust	236A
t	Faust	236A
t	best	234A
t	feast	237A
t	heist	237A
t	list	235A
t	lost	235A
t	post	235A
t	toast	235A
t	moist	236A
t	boost	237A
t	roust	236A
t	must	236A
te	waste	274A
te	caste	274A

See INDEX BY VOWELS on PAGE 3

A	bunt.....249A	E	Hank .....220A	kind 46%.....229A
alm .....246A	bush 25% .....211A	edge 03% .....212A	hash.....209A	king 56%.....218A
and ¹ 95%.....227A	bust (bussed) .....236A	elf .....243A	hasp .....273A	kink .....221A
ant 61% (aunt) .....249A	butch.....205A	elk .....245A	haste 06% .....274A	Kng .....219A
ash.....209A	C	elm.....246A	hatch.....201A	LA
ask 60%.....270A	cadge.....212A	else 10%.....264A	hath.....275A	lack 24% .....214A
asp.....273A	calc.....244A	end 54% .....228A	heck.....215A	lamp 40% .....269A
ax 19% (axe).....265A	calf 22%.....243A	F	hedge 03% .....212A	lance .....257A
B	calk (caulk) .....244A	fact 19% .....223A	heft .....232A	land 67% .....227A
back 57%.....214A	calm 03%.....246A	false 06% (faults) .264A	held 34% .....240A	Lang.....217A
badge .....212A	camp 38% .....269A	fang.....217A	helm.....246A	lank .....220A
bald.....240A	can't (cant) 51% .....249A	fast 63% .....233A	help 60% .....246A	lapse (laps).....263A
balk .....244A	cant (can't) .....249A	fax (facts).....265A	hemp.....269A	lash .....209A
balm (bomb).....246A	cash (cache) 23% .209A	felt 38% .....247A	hence 06% .....257A	last 73%.....233A
band 49% (banned)227A	cask .....271A	fence 20% .....257A	hex .....266A	latch .....201A
bang.....217A	cast.....233A	fend.....228A	hick .....215A	lath .....275A
bank 58% .....220A	catch.....201A	Fent, Mr. ....250A	hilt .....247A	lathes .....279A
bash.....209A	cent (sent) 42% .....250A	fetch 04% .....202A	hind .....229A	lax (lacks) .....265A
bask (Basque).....271A	cock 08% .....216A	filch .....208A	hinge.....213A	ledge.....212A
baste.....274A	cold 72%.....241A	film 06%.....246A	hint.....251A	left 43%.....232A
batch.....201A	colt.....248A	filth .....280A	hitch .....203A	lend 30% .....228A
bath 47% .....275A	comb.....09%A	finch .....206A	hock .....216A	length 01% .....217A
bathe 11% .....279A	comp.....269A	find 56% .....229A	hold 50% .....241A	lent (Lent) .....250A
beck .....215A	conk .....222A	fish 61%.....210A	Holt .....248A	Lent (lent) .....250A
belch.....208A	copse (cops).....263A	fist .....235A	honk.....222A	lest .....234A
belt 28% .....247A	cost 28%.....235A	fix 09% .....267A	host 34% .....235A	lick .....215A
bench 16% .....206A	Cox (cocks) .....268A	fold 36% .....241A	Huck .....216A	lift 26%.....232A
bend 36% .....228A	cult.....248A	folk 09%.....245A	hulk .....245A	liit .....247A
bent 33% .....250A	cyst.....235A	fond 24% .....230A	hump.....270A	limp .....270A
best 59% .....234A	D	font.....249A	hunch.....207A	linch (lynch) .....206A
Beth .....275A	daft.....232A	fox 62% .....268A	hung 16% .....219A	link 21% .....221A
bilge .....212A	damp 29% .....269A	fudge.....212A	hunk.....222A	lint .....251A
bilk .....245A	dance 25% .....257A	fund 20% .....230A	hunt 40% .....249A	lisp .....273A
bind 20% .....229A	dang.....217A	funk.....222A	hush.....211A	list 33% .....235A
Bing .....218A	dank.....220A	G	husk .....271A	lock 20% .....216A
binge.....213A	dash 23% .....209A	gang 18% .....217A	hutch.....205A	lodge 03% .....212A
bold (bowled).....241A	deck 14%.....215A	gash.....209A	I	loft .....232A
bolt 17% .....248A	delve.....243A	gasp.....273A	ilk .....245A	long 58% .....219A
bond 29% .....230A	dense (dents).....263A	Gax .....265A	imp .....270A	lost 62%.....235A
bong .....219A	dent.....250A	geld.....240A	inch 35%.....206A	lox (locks) .....268A
botch.....204A	depth.....280A	gift 29% .....232A	J	luck 32% .....216A
both 39% .....277A	desk 30%.....270A	gild (guild).....240A	jack 41%.....214A	lump 17% .....270A
box 75% .....268A	Dick.....215A	gilt (guilt).....247A	jest .....234A	lunch 34%.....206A
buck .....216A	ding.....218A	gimp .....270A	jilt .....247A	lung .....219A
budge .....212A	dink .....221A	gist .....235A	jinx .....267A	lunge.....213A
bunk 20% .....222A	dint.....251A	gold 60% .....241A	jock .....216A	Lunt.....249A
build .....240A	dish 34%.....210A	golf 13% .....243A	jolt .....248A	lush .....211A
bulb.....240A	disk .....271A	gong.....219A	josh .....210A	lust .....236A
bulge.....212A	ditch 07%.....203A	Goth.....276A	judge 04% .....212A	Lux .....268A
bulk .....245A	dock .....216A	gulch .....208A	jump 51% .....271A	lynch (linch) .....206A
bump.....270A	Dolch .....208A	gulf 14% .....243A	junk 25%.....222A	lynx (links) .....267A
bunch.....207A	dong.....219A	gulp .....246A	just 55%.....236A	M
bung.....219A	duck 46%.....216A	gunk.....222A	K	Mack .....214A
bunk.....222A	duct (ducked) .....226A	gush.....211A	kelp .....246A	malt .....247A
	dump.....270A	gust.....236A	Kemp .....269A	mange.....213A
	dunce.....257A	H	Kent .....250A	manse.....263A
	dung.....219A	hack .....214A	kept 19% .....238A	manx .....267A
	dunk.....222A	half 33% .....243A	ketch .....202A	mash .....209A
	dusk .....271A	halt.....247A	kick 24% .....215A	mask (masque) .....271A
	dust 35% .....236A	hand 69% .....227A	kiin .....246A	mast (massed) .....233A
	Dutch .....205A	hang 27% .....217A	kilts .....247A	matches 16% .....201A

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

math.....	275A	patch 05%	201A	ruth (Ruth)	278	tusk	271A
Max.....	265A	path 30%	275A	S		tux.....	268A
meld.....	240A	pax (packs).....	265A	sack 25%.....	214	U	
melt ¹ 18%	247A	peck.....	215A	salt 46%.....	247	ump.....	270A
mend 31%	228A	pelt.....	247A	sand 51%	227	V	
mesh.....	209A	pence.....	257A	sang 44%	217	vamp.....	269A
mild 25%.....	240A	pend.....	228A	sank 24%.....	220	vast 23%.....	233A
milk 70%.....	245A	pest.....	234A	sash 17%.....	209	veld	240A
mince (mints).....	257A	pick 44%.....	215A	sax (sacks).....	265	vend.....	228A
mind 39%	229A	pinch.....	206A	self 23%.....	243	vent.....	250A
Ming.....	218A	ping.....	218A	send 53%	228	vest.....	234A
mink.....	221A	pink 34%.....	221A	sense 06% (cents) ..	263	vex.....	266A
mint.....	251A	pint.....	251A	sent 44%	250	volt.....	248A
minx (minks).....	267A	pitch 10%.....	203A	sex (sects).....	266	vox.....	268A
mist 22% (missed) 235A		pith.....	276A	sick 46%	215	W	
Mitch.....	203A	pix (picks).....	267A	sift.....	232	walk 50%.....	244A
mix 21%.....	267A	pock.....	216A	silk 35%	245	waltz.....	247A
mock 13%	216A	pomp.....	269A	silt	247	waste 16% (waist) .	274A
mold (mould)	241A	pond 44%	230A	since 06%.....	257	wax 29% (whacks) 265A	
molt (moult)	248A	pong.....	219A	sing 70%.....	218	wedge	212A
monk.....	222A	post 48%	235A	singe.....	213	welch	208A
month	280A	pox.....	268A	sink 28% (synch)....	221	weld (welled)	240A
much 59%	205A	puck.....	216A	socks 13% (sox)....	216	wend.....	228A
muck.....	216A	pulp.....	246A	soft 35%	232	went 65%.....	250A
mulch.....	208A	pulse.....	264A	sold 48%.....	241	wept.....	238A
mumps 09%	270A	pump 27%	270A	song 42%	219	west 48%.....	234A
munch.....	207A	punch.....	207A	sox (socks).....	268	wick.....	215A
mush.....	211A	punk.....	222A	such 21%.....	205A	width	280A
musk.....	271A	push 37%	211A	sulk.....	245A	wild 32%	240A
must 50% (mussed)		pyx (picks).....	267A	sung.....	219A	wilt	247A
.....	236A	R		sunk.....	222A	wimp	270A
myth.....	276A	rack.....	214A	T		wince	257A
N		raft	232A	tack.....	214A	winch	206A
Nash (gnash).....	209A	ranch 24%	206A	tact (tacked)	223A	wind up.....	229A
neck 24%.....	215A	rang 30%.....	217A	taint.....	253A	wind,a strong 46% 229A	
nest 54%	234A	range 11%	213A	talc.....	244A	wing 40%.....	218A
next 49%	266A	rank 27%	220A	talk 15%.....	244A	wink	221A
nick	215A	rant	249A	tamp.....	269A	wish 54%.....	210A
nix (nicks).....	267A	rapt (rapped)	238A	tang.....	217A	wisp	273A
nosh.....	210A	rasp.....	273A	tank 34%	220A	with 54%.....	276A
notch.....	204A	Rath (wrath)	275A	task 28%	270A	wolf 25%.....	243A
nudge	212A	rend.....	228A	taste 11%	274A	Y	
O		rent 39%	250A	tax 20% (tacks) ...	265A	yak.....	214A
old 82%	241A	rest 59%	234A	temp.....	269A	yank.....	220A
opt	239A	Rex (wrecks)	266	tempt.....	269A	yelp	246A
ox 33%	268A	rich 25%	203	tend 26%	228A	yolk	245A
P		Rick.....	215	tense (tents)	263A	yuck	216A
pack 34%.....	214A	ridge 04%	212	tent 48%	250A	Z	
pact (packed)	223A	rift.....	232	tents 29%(tense)...	250A	zest.....	234A
palm 04%	246A	rind.....	229	test 46%	234A	zilch	208A
pang.....	217A	ring 53%	218	text 15%	266A	zinc	221A
pant 38%	249A	rink	221	tick	215A	zing	218A
past 41% (passed) 233A		rinse.....	263	tilt	247A	zonk.....	222A
paste 14% (paced) 274A		risk 17%.....	271	tinge.....	213A		
		rock 37%	216	tink	221A		
		romp	269	tint.....	251A		
		rump	270	tithe.....	279A		
		rung	219	tock.....	216A		
		runt	249	told 51% (tolled) ...	241A		
		rush 19%	211	tong.....	219A		
		rust.....	236	tuft.....	232A		

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

-CH, -TCH

batch 201A
 catch 201A
 hatch 201A
 latch 201A
 patch¹ 05% 201A
 matches 16% 201A
 ketch 202A
 fetch 04% 202A
 hitch 203A
 Mitch 203A
 ditch 07% 203A
 pitch 10% 203A
 rich 25% 203A
 botch 204A
 notch 204A
 butch 205A
 Dutch 205A
 hutch 205A
 such 21% 205A
 much 59% 205A

-CH, -NCH

ranch 24% 206A
 bench 16% 206A
 wench 206A
 finch 206A
 inch 35% 206A
 lynch (lynch) 206A
 lynch (linch) 206A
 pinch 206A
 winch 206A
 bunch 207A
 hunch 207A
 lunch 34% 206A
 munch 207A
 punch 207A

-CH, -LCH

belch 208A
 welch 208A
 filch 208A
 zilch 208A
 Dolch 208A
 gulch 208A
 mulch 208A

-SH

ash 209A
 bash 209A
 cash (cache) 23% 209A
 dash 23% 209A
 gash 209A
 hash 209A
 lash 209A
 mash 209A

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

Nash (gnash) 209A
 sash 17% 209A
 mesh 209A
 dish 34% 210A
 fish 61% 210A
 wish 54% 210A
 josh 210A
 nosh 210A
 gush 211A
 hush 211A
 lush 211A
 mush 211A
 rush 19% 211A
 bush 25% 211A
 push 37% 211A

-GE, -DGE

badge 212A
 cadge 212A
 edge 03% 212A
 hedge 03% 212A
 ledge 212A
 wedge 212A
 ridge 04% 212A
 lodge 03% 212A
 budge 212A
 fudge 212A
 judge 04% 212A
 nudge 212A

-GE, LGE

bilge 212A
 bulge 212A

-GE, -NGE

mange 213A
 range 213A
 binge 213A
 hinge 213A
 singe 213A
 tinge 213A
 lunge 213A

-CK

back 57% 214A
 hack 214A
 jack 41% 214A
 lack 24% 214A
 Mack 214A
 pack 34% 214A
 rack 214A
 sack 25% 214A
 tack 214A
 yak 214A
 beck 215A
 deck 14% 215A
 heck 215A
 neck 24% 215A
 peck 215A
 Dick 215A
 hick 215A
 kick 24% 215A
 lick 215A
 nick 215A
 pick 44% 215A

Rick 215A
 sick 46% 215A
 tick 215A
 wick 215A
 dock 216A
 hock 216A
 jock 216A
 pock 216A
 puck 216A
 tock 216A
 cock 08% 216A
 mock 13% 216A
 socks 13% (sox) 216A
 lock 20% 216A
 rock 37% 216A
 buck 216A
 duck 46% 216A
 Huck 216A
 luck 32% 216A
 muck 216A
 yuck 216A

-NG

bang 217A
 dang 217A
 fang 217A
 gang 18% 217A
 hang 27% 217A
 Lang 217A
 pang 217A
 rang 30% 217A
 sang 44% 217A
 tang 217A
 length 01% 217A
 Bing 218A
 ding 218A
 Ming 218A
 ping 218A
 zing 218A
 wing 40% 218A
 ring 53% 218A
 king 56% 218A
 sing 70% 218A
 bong 219A
 dong 219A
 gong 219A
 Kong 219A
 long 58% 219A
 pong 219A
 song 42% 219A
 tong 219A
 bung 219A
 dung 219A
 hung 16% 219A
 lung 219A
 rung 219A
 sung 219A

-NK

bank 58% 220A
 dank 220A
 Hank 220A
 lank 220A

rank 27% 220A
 sank 24% 220A
 tank 34% 220A
 yank 220A
 dink 221A
 kink 221A
 link 21% 221A
 mink 221A
 pink 34% 221A
 rink 221 221A
 sink 28% (synch) 221A
 tink 221A
 wink 221A
 zinc 221A
 conk 222A
 honk 222A
 zonk 222A
 monk 222A
 bunk 20% 222A
 dunk 222A
 funk 222A
 gunk 222A
 hunk 222A
 junk 25% 222A
 punk 222A
 sunk 222A

-CT

fact 19% 223A
 pact (packed) 223A
 tact (tacked) 223A
 duct (ducked) 226A

-ND

and 95% 227A
 band 49% (banned) 227A
 hand 69% 227A
 land 67% 227A
 sand 51% 227A
 bend 36% 228A
 end 54% 228A
 fend 228A
 lend 30% 228A
 mend 31% 228A
 pend 228A
 rend 228A
 send 53% 228A
 tend 26% 228A
 vend 228A
 wend 228A
 bind 20% 229A
 find 56% 229A
 hind 229A
 kind 46% 229A
 mind 39% 229A
 rind 229A
 wind up 229A
 wind, strong 46% 229A
 bond 29% 230A
 fond 24% 230A
 pond 44% 230A
 fund 20% 230A

-FT

daft 232A
 raft 232A
 heft 232A
 left 43% 232A
 lift 26% 232A
 gift 29% 232A
 rift 232A
 sift 232A
 loft 232A
 soft 35% 232A
 tuft 232A

-ST

cast 233A
 fast 63% 233A
 last 73% 233A
 mast (massed) 233A
 past 41% (passed) 233A
 vast 23% 233A
 best 59% 234A
 jest 234A
 lest 234A
 nest 54% 234A
 pest 234A
 rest 59% 234A
 test 46% 234A
 vest 234A
 west 48% 234A
 zest 234A
 cyst 235A
 fist 235A
 gist 235A
 list 33% 235A
 mist 22% (missed) 235A
 host 34% 235A
 post 48% 235A
 cost 28% 235A
 lost 62% 235A
 bust (bussed) 236A
 dust 35% 236A
 gust 236A
 just 55% 236A
 lust 236A
 must 50% (mussed) 236A
 rust 236A

-PT

rapt (rapped) 238A
 wept 238A
 kept 19% 238A
 opt 239A

-LB

bulb 240A

-LD

bald 240A
 geld 240A
 held 34% 240A
 meld 240A
 veld 240A
 weld (welled) 240A
 build 240A
 gild (guild) 240A

mild ¹ 25%	240A	gulp.....	246A	hence 06%	257A	tamp.....	269A	ruth (Ruth)	278A
wild 32%	240A	pulp.....	246A	pence.....	257A	vamp.....	269A	-THE	
bold (bowled).....	241A	-LT		since 06%.....	257A	temp.....	269A	lathe.....	279A
cold 72%.....	241A	halt.....	247A	mince (mints).....	257A	tempt.....	269A	tithe.....	279A
fold 36%	241A	malt.....	247A	wince.....	257A	hemp.....	269A	bathe 11%	279A
gold 60%	241A	salt 46%.....	247A	dunce.....	257A	Kemp.....	269A	-TH, -PTH	
hold 50%	241A	belt 28%	247A	-SE, LSE		gimp.....	270A	depth.....	280A
mold (mould).....	241A	felt 38%	247A	false 06% (faults) ..	264A	imp.....	270A	-TH, -LTH	
old 82%.....	241A	melt 18%	247A	else 10%.....	264A	limp.....	270A	filth.....	280A
sold 48%.....	241A	pelt.....	247A	pulse.....	264A	wimp.....	270A	-TH, -NTH	
told 51% (tolled)...	241A	gilt (guilt).....	247A	-SE, -NSE		comp.....	269A	month.....	280A
-LVE		hilt.....	247A	manse.....	263A	pomp.....	269A	-TH, DTH	
delve.....	243A	jilt.....	247A	dense (dents)	263A	romp.....	269A	width.....	280A
-LF		kilts.....	247A	tense (tents)	263A	ump.....	270A		
calf 22%.....	243A	liit.....	247A	sense 06% (cents) 263A		bump.....	270A		
half 33%	243A	silt.....	247A	rinse.....	263A	dump.....	270A		
elf.....	243A	tilt.....	247A	-SE, PSE		hump.....	270A		
self 23%.....	243A	wilt.....	247A	lapse (laps).....	263A	jump 51%	270A		
golf 13%	243A	bolt 17%	248A	copse (cops).....	263A	lump 17%	270A		
wolf 25%.....	243A	colt.....	248A	-X (/ks/)		mumps 09%	270A		
gulf 14%	243A	Holt.....	248A	ax 19% (axe).....	265A	pump 27%	270A		
-LK		jolt.....	248A	fax (facts).....	265A	rump.....	270A		
balk.....	244A	molt (moult)	248A	Gax.....	265A	-SK			
calk (caulk).....	244A	volt.....	248A	lax (lacks)	265A	ask 60%.....	270A		
talk 15%.....	244A	cult.....	248A	Max.....	265A	bask (Basque).....	271A		
walk 50%.....	244A	-LTZ		pax (packs).....	265A	cask.....	271A		
calc.....	244A	waltz.....	247A	sax (sacks).....	265A	mask (masque)	271A		
calc.....	244A	-NT		tax 20% (tacks) ...	265A	task 28%.....	270A		
talc.....	244A	ant 61% (aunt)	249A	wax 29% (whacks) ..	265A	desk 30%.....	270A		
elk.....	245A	can't (cant) 51% ...	249A	hex.....	266A	disk.....	271A		
ilk.....	245A	cant (can't)	249A	Rex (wrecks).....	266A	risk 17%.....	271A		
bilk.....	245A	pant 38%	249A	sex (sects).....	266A	dusk.....	271A		
milk 70%.....	245A	rant.....	249A	vex.....	266A	husk.....	271A		
silk 35%	245A	bent 33%	250A	fix 09%.....	267A	musk.....	271A		
bulk.....	245A	cent (sent) 42%	250A	mix 21%.....	267A	tusk.....	271A		
hulk.....	245A	dent.....	250A	nix (nicks)	267A	-SP			
sulk.....	245A	Fent.....	250A	pix (picks)	267A	asp.....	273A		
yolk.....	245A	Kent.....	250A	pyx (picks)	267A	gasp.....	273A		
folk 09%.....	245A	lent (Lent)	250A	box 75%	268A	hasp.....	273A		
-LM		Lent (lent)	250A	Cox (cocks)	268A	rasp.....	273A		
alm.....	246A	rent 39%	250A	fox 62%	268A	lisp.....	273A		
balm (bomb).....	246A	sent 44%	250A	lox (locks).....	268A	wisp.....	273A		
calm 03%.....	246A	tent 48%	250A	ox 33%	268A	-STE			
palm 04%	246A	tents 29%(tense)..	250A	pox.....	268A	baste.....	274A		
film 06%.....	246A	vent.....	250A	sox (socks).....	268A	haste 06%	274A		
elm.....	246A	went 65%.....	250A	vox.....	268A	taste 11%	274A		
helm.....	246A	dint.....	251A	Lux.....	268A	paste 14% (paced) 274A			
-LN		hint.....	251A	tux.....	268A	waste 16% (waist) .274A			
kiln.....	246A	lint.....	251A	-XT		-TH			
-LP		mint.....	251A	next 49%	266A	bath 47%	275A		
help 60%	246A	tint.....	251A	text 15%	266A	hath.....	275A		
kelp.....	246A	pint.....	251A	-NX		lath.....	275A		
yelp.....	246A	font.....	249A	manx.....	267A	math.....	275A		
		bunt.....	249A	jinx.....	267A	path 30%	275A		
		hunt 40%	249A	lynx (links)	267A	Rath (wrath)	275A		
		Lunt.....	249A	minx (minks).....	267A	Beth.....	275A		
		runt.....	249A	-MP		myth.....	276A		
		-CE, -NCE		amp.....	269A	pith.....	276A		
		dance 25%	257A	camp 38%	269A	with 54%	276A		
		lance.....	257A	damp 29%	269A	both 39%	277A		
		fence 20%	257A	lamp 40%	269A	Goth.....	276A		

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

-CH, TCH	crush 10% .....211A	shlock .....216A	chink .....221A	swept 04%.....238A
snatch .....201A	blush 14% .....211A	chock .....216A	brink.....221A	script .....239A
scratch ¹ 05% .....201A	flush .....211A	truck 36% .....216A	trunk 12% .....222A	crypt.....239A
thatch.....201A	shush .....211A	cluck .....216A	skunk .....222A	-LD
sketch .....202A	plush .....211A	pluck .....216A	plunk .....222A	scald .....240A
Fletch.....202A	slush .....211A	shuck .....216A	clunk .....222A	child 48% .....240A
stretch 03% .....202A	thrush .....211A	stuck 22%.....216A	flunk .....222A	build 18%.....240A
wretch (retch) .....202A	-GE, -DGE	-CK Continued	-NK Continued	-LD Continued
switch .....203A	pledge 05% .....212A	struck .....216A	drunk 13% .....222A	guild (gild).....240A
snitch .....203A	sledge .....212A	-NG	spunk .....222A	scold 15% .....241A
stitch .....203A	dredge .....212A	clang .....217A	chunk .....222A	-LVE
twitch .....203A	bridge 06% .....212A	brang .....217A	slunk .....222A	twelve .....243A
which 23% .....203A	smudge.....212A	swang .....217A	stunk .....222A	shelve .....243A
Scotch .....204A	grudge .....212A	slang .....217A	shrunk.....222A	-LF
blotch.....204A	trudge .....212A	sprang .....217A	-CT	shelf .....243A
crotch.....204A	sludge .....212A	strength .....217A	tract (tracked) .....223A	-LK
clutch.....205A	drudge .....212A	thing 61% .....218A	strict 02%.....225A	chalk 09%.....244A
crutch.....205A	-GE, -NGE	spring 39% .....218A	-ND	stalk .....244A
-CH, -NCH	strange 07% .....213A	string 35% .....218A	stand 43% .....227A	skulk .....245A
branch .....206A	change 06% .....213A	bring 50% .....218A	brand 34% .....227A	-LM
blanch.....206A	cringe.....213A	swing 30% .....218A	strand .....227A	qualms .....246A
French .....206A	fringe.....213A	cling .....218A	bland.....227A	psalm .....246A
wrench .....206A	twinge .....213A	fling .....218A	gland.....227A	whelm .....246A
drench .....206A	plunge 05% .....213A	sling .....218A	grand 41% .....227A	-LP
clench .....206A	sponge.....213A	sting .....218A	spend 36% .....228A	scalp .....246A
quench.....206A	-CK	wring (ring) .....218A	blend.....228A	whelp .....246A
trench .....206A	black 51%.....214A	strong 15% .....219A	friend 16% .....228A	-LT
stench.....206A	crack 14% .....214A	wrong 11% .....219A	trend .....228A	knelt .....247A
clinch .....206A	track 18% .....214A	throng .....219A	grind 23% .....229A	smelt .....247A
flinch .....206A	shack .....214A	thong .....219A	blind 29%.....229A	spelt .....247A
Grinch.....206A	whack .....214A	prong .....219A	blond.....230A	stilt .....247A
crunch.....207A	slack .....214A	slung .....219A	-FT	quilt 05%.....247A
brunch .....207A	clack .....214A	swung .....219A	graft .....232A	built 12%.....247A
scrunch.....206A	smack .....214A	flung 08% .....219A	craft.....232A	spilt .....247A
-SH	knack .....214A	sprung .....219A	draft 19% .....232A	guilt (gilt) .....247A
crash 16% .....209A	snack .....214A	clung .....219A	shaft.....232A	-NT
brash.....209A	stack .....214A	stung .....219A	theft.....232A	plant 51% .....249A
trash.....209A	quack 08% .....214A	strung .....219A	cleft .....232A	slant .....249A
thrash .....209A	check 19% .....215A	wrung.....219A	drift 14% .....232A	grant 27% .....249A
slash .....209A	wreck 02%.....215A	-NK	shift 13%.....232A	chants (chance).....249A
clash .....209A	speck .....215A	thank 08% .....220A	shriff.....232A	grunt .....249A
flash.....209A	stick 27% .....215A	blank 28% .....220A	swift 18% .....232A	front 32% .....249A
smash.....209A	trick 23%.....215A	drank.....220A	thrift.....232A	spent 34% .....250A
splash .....209A	slick.....215A	clank .....220A	grift.....232A	scent (cent).....250A
stash .....209A	flick .....215A	plank .....220A	-ST	scents (sense).....250A
gnash (Nash).....209A	click.....215A	flank .....220A	blast .....233A	print 28% .....251A
fresh 24% .....209A	brick 20%.....215A	crank .....220A	crest.....234A	prints 14% (prince)251A
flesh .....209A	crick .....215A	shank .....220A	quest.....234A	squint .....251A
thresh .....209A	thick 22% .....215A	spank .....220A	guest 08%(guessed)234A	glint .....251A
swish.....210A	quick 12%.....215A	shrank.....220A	blest .....234A	sprint .....251A
frosh.....210A	chick .....215A	stank .....220A	twist 23% .....235A	flint .....251A
slosh .....210A	knock .....216A	drink 35% .....221A	whist .....235A	quint .....249A
brush 19% .....211A	clock 29% .....216A	shrink .....221A	grist .....235A	stint .....249A
	block .....216A	think 51%.....221A	frost 28% .....235A	splint .....249A
	shock 06%.....216A	blink .....221A	trust 23% (trussed)236A	-CE, -NCE
	flock .....216A	plink .....221A	crust.....236A	chance 10%(chants)257A
	crock.....216A	clink .....221A	thrust 09% .....236A	glance 07%.....257A
	stock 16%.....216A	stink .....221A	-PT	prance.....257A
	frock.....216A	slink221A	crept 03%238A	trance.....257A
	smock216A	twink221A	slept.....238A	stance257A

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prince (prints)	257A	crisp	273A
quince (quints)	257A	-STE	
-SE, MPSE		chaste (chased)	274A
glimpse ¹ 01%	264A		
-X (/ks/)			
flax	265A	TH	
flex (flecks)	266A	smith	276A
-X (/ks/) Continued		wrath (Rath)	275A
phlox (flocks)	268A	troth	277A
Knox (knocks)	268A	truth	278A
flux	268A	-THE	
-NX		scathe	279A
sphinx	267A	blithe	279A
-MP		writhe	279A
clamp	269A	clothe	279A
stamp	269A		
tramp	269A		
cramp	269A		
champ	269A		
chomp	269A		
-MP Continued			
stomp	269A		
clomp	269A		
blimp	270A		
shrimp	270A		
primp	270A		
scrimp	270A		
skimp	270A		
crimp	270A		
slump	270A		
plump	270A		
trump	270A		
stump 17%	270A		
-MP Continued			
grump	270A		
chump	270A		
thump	270A		
frump	270A		
-MPT			
prompt 07%	269A		
-SK			
flask	271A		
frisk	271A		
brisk	271A		
whisk	271A		
brusk (brusque)	270A		
-SM			
spasm	273A		
chasm	273A		
prism	272A		
-SP			
grasp 18%	273A		
clasp	273A		
whisp	273A		

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BL-	clasp273A	FR-	psalm246A	slush211A
black ¹ 51% 214A	cleft232A	French206A	psalm246A	SM-
blanch .....206A	clench .....206A	fresh 24% .....209A	QU-	smack .....214A
bland .....227A	click .....215A	friend 16% .....228A	quack 08% .....214A	SM- (Continued)
blank 28% .....220A	clinch .....206A	fringe .....213A	QU- (Continued)	smash .....209A
blast 25% .....233A	cling .....218A	FR- (Continued)	qualms .....246A	smelt .....247A
blend .....228A	CL- (Continued)	frisk .....271A	quench .....206A	smith .....276A
blest .....234A	clink .....221A	frock .....216A	quest .....234A	smock .....216A
blimp .....270A	clock 29% .....216A	front 32% .....249A	quick 12% .....215A	smudge .....212A
blind 29% .....229A	clomp .....269A	frosh .....210A	quilt 05% .....247A	SN-
blink .....221A	cloth 19% .....279A	frost 28% .....235A	quince (quints) .....257A	snack .....214A
bliithe .....279A	clothe .....279A	frump .....270A	quint .....249A	snatch .....201A
block 36% .....216A	cluck .....216A	GL-	SC-	snitch .....203A
blond .....230A	clung .....219A	glance 07% .....257A	scald .....240A	SP-
blotch .....204A	clunk .....222A	gland .....227A	scalp .....246A	spank .....220A
blush 14% .....211A	clutch .....205A	glimpse 01% .....264A	scathe .....279A	spasm .....273A
BR-	CR-	glint .....251A	scent (cent) .....250A	speck .....215A
branch 25% .....206A	crack 14% .....214A	GN-	scents (sense) .....250A	spelt .....247A
brand 34% .....227A	craft .....232A	gnash (Nash) .....209A	scold 15% .....241A	spend 36% .....228A
brang .....217A	cramp .....269A	GR-	Scotch .....204A	spent 34% .....250A
brash .....209A	crank .....220A	graft .....232A	SCR-	spilt .....247A
brick 20% .....215A	crash 16% .....209A	grand 41% .....227A	scratch 05% .....201A	sponge .....213A
bridge 06% .....212A	crept 03% .....238A	grant 27% .....249A	scrimp .....270A	spunk .....222A
bring 50% .....218A	crest .....234A	grasp 18% .....273A	script .....239A	SPL-
brink .....221A	crick .....215A	grift .....232A	scrunch .....206A	splash .....209A
brisk .....271A	crimp .....270A	Grinch .....206A	SH-	splint .....249A
brunch .....207A	cringe .....213A	grind 23% .....229A	shack .....214A	SPR-
brush 19% .....211A	crisp .....273A	grist .....235A	shaft .....232A	sprang .....217A
brusk (brusque) .....270A	crock .....216A	grudge .....212A	shank .....220A	spring 39% .....218A
BU-	crotch .....204A	grump .....270A	shelf .....243A	sprint .....251A
build 18% .....240A	crunch .....207A	grunt .....249A	shelve .....243A	sprung .....219A
built 12% .....247A	crush 10% .....211A	GU-	shift 13% .....232A	SPH ("SF")
CH-	crust .....236A	guest 8%(guessed) .....234A	shlock .....216A	sphinx .....267A
chalk 09% .....244A	crutch .....205A	guild (gild) .....240A	shock 06% .....216A	SQU-
champ .....269A	crypt .....239A	guilt (gilt) .....247A	shrank .....220A	squint .....251A
chance 10% (chants)257A	DR-	KN-	shrift .....232A	ST-
change 06% .....213A	draft 19% .....232A	knack .....214A	shrimp .....270A	stack .....214A
chants (chance) .....249A	drank .....220A	knelt .....247A	shrink .....221A	stalk .....244A
chasm .....273A	dredge .....212A	knock .....216A	shrunk .....222A	stamp .....269A
chaste (chased) .....274A	drench .....206A	Knox (knocks) .....268A	shuck .....216A	stance .....257A
check 19% .....215A	drift 14% .....232A	PHL-	shush .....211A	stand 43% .....227A
chick .....215A	drink 35% .....221A	phlox (flocks) .....268A	SK-	stank .....220A
child 48% .....240A	drudge .....212A	PL-	sketch .....202A	stash .....209A
chink .....221A	drunk 13% .....222A	plank .....220A	skimp .....270A	stench .....206A
chock .....216A	FL-	plant 51% .....249A	skulk .....245A	stick 27% .....215A
chomp .....269A	flank .....220A	pledge 05% .....212A	skunk .....222A	stilt .....247A
chump .....270A	flash .....209A	plink .....221A	SL-	sting .....218A
chunk .....222A	flask .....271A	pluck .....216A	slack .....214A	stink .....221A
CL-	flax .....265A	plump .....270A	slang .....217A	stint .....249A
clack .....214A	flesh .....209A	plunge 05% .....213A	slant .....249A	stitch .....203A
clamp .....269A	Fletch .....202A	plunk .....222A	slash .....209A	stock 16% .....216A
clang .....217A	flex (flecks) .....266A	plush .....211A	sledge .....212A	stomp .....269A
clank .....220A	flick .....215A	PR-	slept .....238A	stuck 22% .....216A
clash .....209A	flinch .....206A	prance .....257A	slick .....215A	stump 17% .....270A
	fling .....218A	primp .....270A	sling .....218A	stung .....219A
	flint .....251A	prince (prints) .....257A	slink .....221A	stunk .....222A
	flock .....216A	print 28% .....251A	slosh .....210A	STR-
	flung 08% .....219A	prints 14% (prince)251A	sludge .....212A	strand .....227A
	flunk .....222A	prism .....272A	slump .....270A	strange 07% .....213A
	flush211A	prompt 07%269A	slung219A	strength217A
	flux268A	prong219A	slunk222A	stretch 03%202A

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strict ¹ 02%	225A	twitch	203A
string 35%	218A	WH-	
STR- Continued		whack	214A
strong 15%	219A	whelm	246A
struck	216A	whelp	246A
strung	219A	which 23%	203A
SW-		whisk	271A
swang	217A	whisp	273A
swept 04%	238A	WH- Continued	
swift 18%	232A	whist	235A
swing 30%	218A	WR-	
swish	210A	wrath (Rath)	275A
switch	203A	wreck 02%	215A
swung	219A	wrench	206A
TH-		wretch (retch)	202A
thank 08%	220A	wring (ring)	218A
thatch	201A	writhe	279A
TH- Continued		wrong 11%	219A
theft	232A	wrung	219A
thick 22%	215A		
thing 61%	218A		
think 51%	221A		
thong	219A		
thump	270A		
THR-			
thrash	209A		
thresh	209A		
thrift	232A		
throng	219A		
thrush	211A		
thrust 09%	236A		
TR-			
tract (tracked)	223A		
tramp	269A		
track 18%	214A		
trance	257A		
trash	209A		
trench	206A		
trend	228A		
trick 23%	215A		
troth	277A		
truck 36%	216A		
trudge	212A		
trump	270A		
trunk 12%	222A		
trust 23% (trussed)	236A		
TR- Continued			
truth	278A		
TW-			
twelve	243A		
twinge	213A		
twink	221A		
twist 23%	235A		

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Statistics from *The New Iowa Spelling Scale* re: structural endings

	CVCC	CVCC+s/es	CVCC+ed	CVCC+ing	CVCC + suff.
	ask 60% ¹	asks 22%	asked 33%	asking 53%	
b	band 49%	bands 38%	banded NA ²	banding NA	
b	bank 58%	banks 36%	banked NA	banking 32%	banker 36%
b	bathe 11%	bathes NA	bathed NA	bathing 21%	
b	bolt 17%	bolts 18%	bolted NA	bolting NA	
b	bond 29%	bonds 18%	bonded NA	bonding NA	
b	box 75%	boxes 16%	boxed NA	boxing NA	boxer NA
b	bush 25%	bushes 19%	bushed NA	bushing NA	
c	calf 22%	calves 05%			
c	cash 23%	cashes NA	cached 13%	cashing NA	
c	cent 42%	cents 35%			
c	cold 72%	colds NA			colder 42%
c	cost 28%	costs 06%		costing NA	
d	dance 25%	dances 28%	danced 17%	dancing 09%	dancer NA
d	desk 30%	desks 20%			
d	dish 34%	dishes 13%	dished NA	dishing NA	
d	duck 46%	ducks 41%	ducked NA	ducking NA	
e	end 54%	ends 35%	ended 33%	ending 34%	
f	fact 19%	facts 08%			
f	fast 63%	fasts NA	fasted NA	fasting NA	faster 39%
f	find 56%	finds 29%		finding 42%	finder NA
f	fish 61%	fishes NA	fished 29%	fishing 48%	fisherman 26%
f	fix 39%	fixes NA	fixed 24%	fixing NA	
f	fold 36%	folds NA	folded NA	folding NA	folder 19%
f	folk 09%	folks 10%			
f	fund 20%	funds 03%	funded NA	funding NA	
g	gift 29%	gifts 14%	gifted NA		
g	gold 60%				golden 13%
h	hand 69%	hands 47%	handed 22%	handing 44%	handle 12%
h	hang 27%	hangs NA	hung 16%	hanging 21%	hanger NA
h	help 60%	helps 40%	helped 48%	helping 40%	helpful 15%
h	hold 50%	holds 21%	held 34%	holding 36%	holder 21%
h	hunt 40%	hunts NA	hunted 18%	hunting NA	hunter 41%
i	inch 35%	inches 09%	inched NA	inching NA	
j	jack 41%	jacks 34%	jacked NA	jacking NA	jacket NA
j	judge 4%	judges NA	judged NA	judging 02%	judgment 02%
j	jump 51%	jumps 41%	jumped 30%	jumping 33%	jumper NA
j	just 55%				justly 14%
k	kick 24%	kicks NA	kicked 13%	kicking NA	kicker NA
k	kind 46%	kinds 26%			kindly 17%
l	lamp 40%	lamps 33%			
l	land 67%	lands 44%	landed 32%	landing 44%	
l	last 73%	lasts NA	lasted 32%	lasting NA	
l	list 33%	lists 20%	listed 21%	listing 19%	
l	lock 20%	locks NA	locked 17%	locking NA	locker NA

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

²NA= Percentages **Not Available** because the word for that position is not included in *The New Iowa Spelling Scale*. Since most spelling series are based on the same word lists as *The New Iowa Spelling Scale*, words such as *grabbing*, *bobbing*, *bedded*, *bedding*, etc. whose positions are marked NA most likely do not occur in any commercial spelling program.

Statistics from *The New Iowa Spelling Scale* re: structural endings Continued

	CVCC	CVCC+s/es	CVCC+ed	CVCC+ing	CVCC + suff.
l	long 58% ¹	longs NA	longed NA	longing NA	longest 11%
l	luck 32%				lucky 10%
m	melt 18%	melts NA	melted 9%	melting NA	
m	milk 70%	milks NA	milked NA	milking 58%	
m	mind 39%	minds 15%	minded NA	minding NA	
m	mix 21%	mixes NA	mixed 17%	mixing NA	mixer NA
n	neck 24%	necks 13%			
n	nest 54%	nests 42%	nested NA	nesting NA	nester NA
o	old 82%				oldest 29%
p	pack 34%	packs NA	packed 22%	packing 28%	packer NA
p	pant 38%	pants 14%	panted NA	panting NA	
p	pick 44%	picks NA	picked 30%	picking 34%	picker NA
p	pitch 10%	itches NA	pitched NA	pitching NA	pitcher 06%
p	post 48%	posts NA	posted 33%	posting NA	posters 25%
p	push 37%	pushes NA	pushed 21%	pushing NA	
r	rent 39%	rents NA	rented 17%	renting NA	renter NA
r	rest 59%	rests NA	rested 35%	resting NA	restless 05%
r	ring 53%	rings 36%	rang 30%	ringing 30%	ringer NA
r	rock 37%	rocks 19%	rocked NA	rocking NA	rocky 07%
r	rush 19%	rushes NA	rushed 12%	rushing 19%	
s	sack 25%	sacks 18%	sacked NA	sacking NA	sacker NA
s	send 53%	sends 22%	sent 44%	sending 38%	sender NA
s	sick 46%				sickness 10%
s	sing 70%	sings 47%	sang 44%	singing 49%	singer 38%
s	sink 28%	sinks NA	sank 24%	sinking NA	sinker NA
s	song 42%	songs 39%			
t	talk 28%	talks 07%	talked 23%	talking 44%	talker NA
t	taste 11%	tastes NA	tasted 15%	tasting NA	taster NA
t	tent 48%	tents 29%			
t	test 46%	tests 26%	tested NA	testing NA	tester NA
w	walk 50%	walks 45%	walked 29%	walking 39%	walker NA
w	wind 46%	winds 12%	winded NA		windy 24%
w	wind NA	winds NA	wound NA	winding NA	
w	wings 40%	wings 36%			
w	wish 54%	wishes 22%	wished 24%	wishing 38%	wishful NA
w	wolf 25%	wolves 02%			

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

Statistics from *The New Iowa Spelling Scale* continued

	CCVCC	CCVCC+s/es	CCVCC+ed	CCVCC+ing	CCVCC + suff.
bl-	blank 28% ¹	blanks 13%	blanked NA	blanking NA	blankets 05%
bl-	block 36%	blocks 18%	blocked NA	blocking NA	blocker NA
br-	branch 25%	branches 11%	branched NA	branching NA	
br-	brush 19%	brushes 07%	brushed NA	brushing NA	
bu-	build 18%	builds 19%	built 12%	building 19%	buildings 03%
ch-	chance 10%	chances 04%	chanced NA	chancing NA	
ch-	change 06%	changes 05%	changed 10%	changing 09%	
ch-	check 19%	checks 05%	checked 6	checking 05%	checkers 04%
ch-	child 48%	child's NA			childish 07%
cl-	clock 29%	clocks 24%	clocked NA	clocking NA	
cl-	clothe NA	clothes 27%	clothed NA	clothing 14%	
cr-	NA ²				
dr-	draft 19%	drafts 04%	drafted NA	drafting NA	drafty NA
dr-	drink 35%	drinks 22%	drank NA	drinking 19%	drinker NA
fr-	friend 16%	friends 15%			friendly 08%
gl-	NA				
gr-	grant 27%	grants NA	granted 09%	granting NA	
gu-	guest 08%	guests 02%			
kn-	knock 07%	knocks NA	knocked 05%	knocking NA	
pl-	plant 51%	plants 28%	planted 28%	planting 30%	planter NA
pr-	print 28%	prints 14%	printed 07%	printing 16%	printer NA
pr-	prompt 07%	prompts NA	prompted NA	prompting NA	promptly 03%
qu-	quick 12%				quickly 05%
sc-	NA				
scr-	NA				
sh-	NA				
sk-	NA				
sl-	NA				
sm-	NA				
sn-	NA				
sp-	spend 36%	spends NA	spent 34%	spending 22%	spender NA
spl-	NA				
spr-	NA				
squ-	NA				
st-	stand 43%	stands 29%		standing 36%	
str-	strong 15%				stronger 10%
sw-	swift 18%				swiftly 02%
sw-	swing 30%	swings 27%		swinging NA	
th-	thank 46%	thanks 28%	thanked 21%	thanking 26%	thankful 16%
th-	thing 61%	things 46%			
th-	think 51%	thinks 26%		thinking 28%	thinker NA
tr-	track 18%	tracks 14%	tracked NA	tracking NA	tracker NA
tr-	truck 36%	trucks 18%	trucked NA	trucking NA	trucker NA
tr-	trust 23%	trusts NA	trusted NA	trusting 16%	trusty NA
thr-, wh-, wr-	NA				

¹ The percentages represent the per cent of 3rd graders who could spell these words in 1953. Greene (1954)

² NA=Percentages Not Available. Not a single cr-, gl-, sc-, scr-, sh-, sk-, sl-, sm-, sn-, spl-, spr-, squ-, thr-, wh-, or wr+VCC word had more than its one base form included in *The New Iowa Spelling Scale*.

Summary of statistics involving single consonant + vowel + consonant blend or digraph (CVCC)
Note: These statistics do not include words beginning with blends or digraphs!

Pattern	Sample Word	Number of phonically regular CVCC words technically available for beginning readers to learn:	Number of CVCC phonically regular occurring in spelling books:
CVCC	bank	362	139 or 38%
CVCC(es)	bush	93	28 or 30%
CVCCe	dance	<u>49</u>	<u>17</u> or 35%
Total base words		504	184 or 37%
CVCC + s	songs	280	38 or 14%
CVCC + es	hunches	75	5 or 07%
CVCCe + s	senses	<u>32</u>	<u>1</u> or 03%
Total -s/-es words		387	44 or 11%
CVCC + ed	handed	149	20 or 13%
CVCC(es) + ed	pushed	54	5 or 09%
CVCCe (-e) + ed	tasted	<u>31</u>	<u>2</u> or 06%
Total -ed words		234	27 or 12%
CVCC + ing	sanding	135	18 or 08%
CVCC(es) + ing	pinching	54	3 or 06%
CVCCe (-e) + ing	judging	<u>31</u>	<u>3</u> or 10%
Total -ing words		220	24 or 11%
Total all words		1,345	279 or 21%

Statistics involving consonant blends or digraphs + vowel + consonant blends or digraphs (CCVCC)

Pattern	Sample Word	Number of phonically regular words technically available for beginning readers to learn:	Number of words regularly occurring in spelling books:
CCVCC	brand	231	64 or 28%
CCVCC(es)	branch	63	9 or 14%
CCVCCe	glance	<u>29</u>	<u>8</u> or 28%
Total base words		323	81 or 25%
CCVCC + s	drifts	178	18 or 10%
CCVCC + es	stretches	55	2 or 04%
CCVCCe + s	chances	<u>24</u>	<u>3</u> or 12%
Total -s/-es words		257	23 or 09%
CCVC + C + ed	planted	109	5 or 05%
CCVCC (es) + eds	splashed 42	0 or 00%	
CCVCCe (-e + ed)	pledged	<u>18</u>	<u>1</u> or 06%
Total -ed words		169	6 or 04%
CCVCC + ing	granting	125	10 or 08%
CVCC (ed) + ing	smashing	42	0 or 00%
CVCCe (-e + ing)	pledging	<u>18</u>	<u>2</u> or 11%
Total -ing words		185	12 or 06%
Total C/CCVCC base words		827	220 or 27%
Total -s/-es words		644	67 or 10%
Total -ed words		403	33 or 08%
Total -ing words		405	36 or 09%
Grand Totals:		2,279	356 or 16%

Conclusions concerning the words chosen for teaching reading and spelling in grades 1 & 2.

There are 1,719 CVC and CCVC words that are phonically regular.¹ When we add the 2,279 CVCC and CCVC words we have a total of 3,998 phonically regular words available for teaching reading and spelling. But how many do most schools use? Just 636 of the words, a measly 16%. If we only consider the -ed words, of which there are 684 available, only 66 are regularly used. It should be apparent that there must be a causal link between the lack of the -s, -es, -ed, -ing words and the fact that so few students master these perfectly phonic forms at the end of the 2nd grade despite the expectations of our leading experts²

What is apparent is that the more “difficult” a word is, the less time is spent by teachers helping students mastering it. This is not, however, the fault of teachers. It is the fault of their textbooks and the curriculum that they are mandated to follow.

Assuming that at least 10% of any average 2nd grade classroom are gifted, you would think that no matter what system of teaching reading that is used, that they could correctly spell any word that has a one syllable base and is 100% phonically regular. But let's examine a few words. Since only 7% can spell brushes, it must mean that 30% (of the 10% who are gifted) haven't learned that simple phonic regularity. If only 4% can add an -s to draft to get drafts, that means that 60% of the gifted haven't learned that simple phonic regularity. And if only 6% can spell the word change, that means that 40% of the gifted haven't learned that simple, but 100% regular -ange pattern. Now isn't that strange?

For a student to learn via the common place “sight” methods of instruction the very simple words in volumes 1 and 2, it means that student must be exposed at least once to each of nearly 4,000 regular CVC and CVCC words. And how many people do you know who can learn something new with just one exposure? But to teach a student to automatically correctly read and spell the same 4,000 words, we need only teach approximately about 60 onset patterns (averaging less than 2 letters) to combine with 70 or so VC rimes averaging 3 letters in length and about 180 VCC rimes averaging 4 letters. That is a mere total of 310 different letter combinations, each of which can be reviewed an average of 25 times in the process of just exposing a student to each of those 4,000 words just one time! The trick is to do the exposure sequentially and systematically.

¹See Volume 1, p. 19 in *The Patterns of English Spelling*.

²“Phonics instruction...should be completed by the end of second grade...”, Anderson, Richard C. et. al. *Becoming a Nation of Readers: The Report of the Commission on Reading*. The National Institute of Education, Washington, D.C., 1985.