Spelling-Sound Regularity and Reading:

Instructions for Use

This task looks at whether reading aloud is affected by spelling-sound regularity. Regular and exception words are matched (on a one-to-one basis) as far as possible for word frequency, imageability , grammatical class and number of letters, syllables and morphemes.

   The ease with which the pronunciation of a word can be predicted by its spelling - the regularity of spelling-sound correspondence - has been shown to be an important variable in determining success in reading aloud in some forms of acquired dyslexia (see **Surface Dyslexia: Neuropsychological and Cognitive Studies of Phonological Reading**, edited by Patterson, K.E., Marshall, J.C. & Coltheart, M.   London: Lawrence Erlbaum Associates). A regularity effect in reading aloud suggests that the subject is unable to retrieve correct word-specific information about spelling and pronunciation, though this can occur for a variety of reasons. A regularity effect is demonstrated by a significant regular - exception word difference in reading aloud (fewer exception words read aloud correctly) and by the occurrence of characteristic errors (responses in which exception words are given a 'regularised' pronunciation, such as **"blewed"** for **blood**, for example).

Descriptive Statistics (for 32 control subjects):

Regular Words	(n = 30)	Mean = 29.96	Std. Dev. = 0.20
Exception Words	(n = 30)	Mean = 29.85	Std. Dev. = 0.37

Suggestions for Where to go next: If the subject shows a significant regularity effect on this task, test performance on Visual Lexical Decision using regular and exception words, nonwords and pseudohomophones **[27]**. Well-preserved access to information about the visual forms of words should result in good lexical decision and the disappearance of the regularity effect. In this case, comprehension of written single words may be relatively intact, even though the words themselves may be mispronounced in reading aloud (eg. Kay, J. and Patterson, K.E. (1985). In **Surface Dyslexia: Neuropsychological and Cognitive Studies of Phonological Reading**, edited by Patterson, K.E., Marshall, J.C. & Coltheart, M.   London: Lawrence Erlbaum Associates). Test performance on Homophone Definition **[38]**.

   If a regularity effect remains, however, it indicates that the subject is using a sound-based code rather than the visual form on which to base a decision.   If the subject is unable to access visual forms of words successfully, it may be that the deficit is located at the level of the visual input lexicon (or access to it).

PALPA

<u>Reading Task</u>

Please read each word aloud as clearly as you can

effort	pretty	middle	barge
break	envy	blood	bowl
plank	navy	ceiling	iron
cough	context	rub	routine
bury	yacht	flannel	tail
wolf	island	wedding	chicken
colonel	luck	smog	nerve
sew	sword	shoe	bouquet
castle	brandy	pint	check
mist	stench	tomb	peril
choir	come	cult	plant
gauge	sure	friction	debt
free	curb	marsh	market
pump	cord	brooch	take
mortgage	answer	soul	quay

Spelling-Sound Regularity Reading Task:

Presenter's Form 1

Name:	Date:

Target	R/E	Response
effort	R	
pretty	E	
middle	R	
barge	R	
break	E	
envy	R	
blood	E	
bowl	E	
plank	R	
navy	R	
ceiling	E	
iron	E	
cough	E	
context	R	
rub	R	
routine	E	
bury	E	
yacht	E	
flannel	R	
tail	R	
wolf	E	
island	E	
wedding	R	
chicken	R	
colonel	E	
luck	R	
smog	R	
nerve	R	
sew	E	
sword	E	
Regular		
Exception		

PALPA

Spelling-Sound Regularity Reading Task:

Presenter's Form 2

Name:		Date:

Target	R/E	Response
shoe	E	
bouquet	E	
castle	E	
brandy	R	
pint	E	
check	R	
mist	R	
stench	R	
tomb	E	
peril	R	
choir	E	
come	E	
cult	R	
plant	R	
gauge	E	
sure	E	
friction	R	
debt	E	
free	R	
curb	R	
marsh	R	
market	R	
pump	R	
cord	R	
brooch	E	
take	R	
mortgage	E	
answer	E	
soul	E	
quay	E	
Regular		/30
Exception		/30

Spelling-Sound Regularity Reading Task:

Marking Form

Name:		Date:	

Regular	Response	Exception	Response
1 take		come	
2 free		sure	
3 market		island	
4 effort		answer	
5 plant		blood	
6 middle		pretty	
7 check		break	
8 luck		soul	
9 navy		iron	
10 chicken		colonel	
11 context		routine	
12 wedding		ceiling	
13 tail		bowl	
14 friction		mortgage	
15 mist		shoe	
16 cult		debt	
17 curb		pint	
18 nerve		gauge	
19 pump		tomb	
20 peril		choir	
21 brandy		castle	
22 barge		cough	
23 plank		sword	
24 envy		bury	
25 rub		sew	
26 cord		wolf	
27 flannel		bouquet	
28 marsh		yacht	
29 stench		brooch	
30 smog		quay	
Total Correct	/30	Total Correct	/30