## FrameWork 12/21

#### Connie Wilson on Ian Carr-Harris

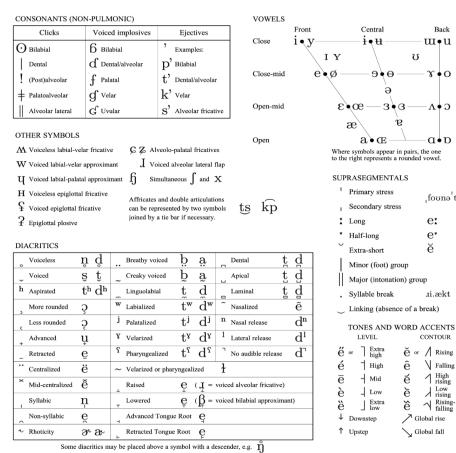
How do you make a word sound?

The International Phonetic Alphabet (IPA) (image 1) should not be confused with the NATO Phonetic Alphabet (image 2).

#### THE INTERNATIONAL PHONETIC ALPHABET (revised to 2020)

CONSONANTS (PULMONIC)   ⊕⊕⊚ 2020 IPA																						
	Bilabial		Labiodental		Dental		Alveolar Postalveola		veolar	Retroflex		Palatal		Velar		Uvular		Pharyngeal		Glottal		
Plosive	р	b					t	d			t	d	С	J	k	g	q	G			3	
Nasal		m		ŋ				n				η		n		ŋ		N				
Trill		В						r										$\mathbf{R}$				
Tap or Flap				$\mathbf{V}$				r				r										
Fricative	ф	β	f	V	θ	ð	$\mathbf{s}$	$\mathbf{z}$	ſ	3	ş	Z,	ç	j	x	γ	χ	$\mathbf{R}$	ħ	ſ	h	ĥ
Lateral fricative							ł	Ъ														
Approximant				υ				J				J		j		щ						
Lateral approximant								1				l		Λ		$\mathbf{L}$						

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible



Back

**γ ∳ 0** 

 $\Lambda \bullet \Omega$ 

,foʊnə tı∫ən

 $\mathbf{e}$ 

e•

ĕ

лi.ækt

\ Falling

Low

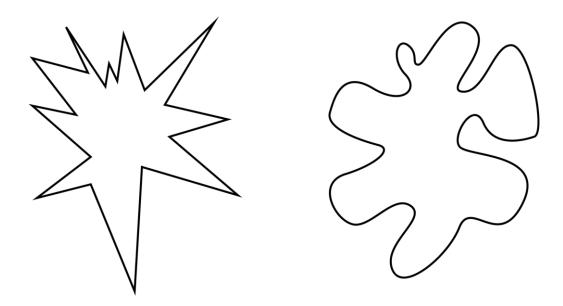
→ Rising-falling

Global rise

υ

CHARACTER	MORSE CODE	TELEPHONY	PHONIC (PRONUNCIATION)
A	• –	Alfa	(AL-FAH)
В	-•••	Bravo	(BRAH-VOH)
С	-•-•	Charlie	(CHAR-LEE) or (SHAR-LEE)
D	-••	Delta	(DELL-TAH)
Е	•	Echo	(ECK-OH)
F	••-•	Foxtrot	(FOKS-TROT)
G	•	Golf	(GOLF)
Н	••••	Hotel	(HOH-TEL)
I	••	India	(IN-DEE-AH)
J	•	Juliett	(JEW-LEE-ETT)
K	-•-	Kilo	(KEY-LOH)
L	• - • •	Lima	(LEE-MAH)
M		Mike	(MIKE)
N	-•	November	(NO-VEM-BER)
0		Oscar	(OSS-CAH)
Р	••	Papa	(PAH-PAH)
Q	• -	Quebec	(KEH-BECK)
R	• - •	Romeo	(ROW-ME-OH)
S	•••	Sierra	(SEE-AIR-RAH)
Т	_	Tango	(TANG-GO)
U	• • -	Uniform	(YOU-NEE-FORM) or (OO-NEE-FORM)
V	•••-	Victor	(VIK-TAH)
W	•	Whiskey	(WISS-KEY)
X	-••-	Xray	(ECKS-RAY)
Y	-•	Yankee	(YANG-KEY)
Z	••	Zulu	(ZOO-LOO)
1	•	One	(WUN)
2	••	Two	(TOO)
3	•••	Three	(TREE)
4	•••-	Four	(FOW-ER)
5	••••	Five	(FIFE)
6	- • • • •	Six	(SIX)
7	•••	Seven	(SEV-EN)
8	•	Eight	(AIT)
9	•	Nine	(NIN-ER)
0		Zero	(ZEE-RO)

A sound made-word is onomatopoeia, a word approximating the sound it represents. What is the autological (a word that defines itself) opposite? Phonosemantics, or sound symbolism, deals with the resemblance of a sound to its meaning. The bouba/kiki effect is a popular example of the non-arbitrary mapping we do between shapes and speech sounds (image 3). Bouba, mapped by most as a round, undulated shape, much in the way we round our mouths to express IPA Number 308, also known as the close back rounded vowel, also known as u. Kiki, often mapped as a spiked and sharply angled shape, much in the way we sharply obstruct our breath in the expression of IPA Number 109 variety kh, also known as the aspirated k.



But does this tendency belie objectivity? In phonics, the relationships between sounds (phonemes), and letters and letter groupings (graphemes), are objective, if convoluted and difficult to learn.

Monster Test YOU CAN ANALYZE DEVELOPMENTAL SPELLING... And Here's How To Do It! Early Years K-8 by Dr. J. Richard Gentry, from 1985 is a spelling test used to analyze children's progress in literacy (images 4 and 5). The results of the test track a child in developmental positions numbered 1 through 5, from nearly no phonic comprehension and incorrect spelling to complete phonic comprehension and correct spelling. The ten word spelling test is named for the first word in the Spelling Word List ("1. monster"). Each word in the list is accompanied by a descriptive sentence using the listed word: ("The boy was eaten by a MONSTER.").

Follow these directions: Call out each word in the spelling list, give the sentence provided, and call out the word again. What you want your students to do is invent the spelling or use their best guess at what the spelling might be. Explain that the activity will not be graded as right or wrong, but that it will be used to see how the student thinks certain difficult words should be spelled. Be encouraging and make the activity challenging and fun.

#### SPELLING WORD LIST

1		771 1	1	MOMETER
- 1	monster	The boy was eater	n	v a MCDNSTER
т.	1110113101	THE DOV was cater	$\mathbf{L}$	y a mornora.

- 2. united You live in the UNITED States.
- 3. dress The girl wore a new DRESS.

### FrameWork 12/21

4. bottom	A big fish lives at the BOTTOM of the lake.
5. hiked	We HIKED to the top of the mountain.
6. human	Miss Piggy is not a HUMAN.
7. eagle	An EAGLE is a powerful bird.
8. closed	The little girl CLOSED the door.
9. bumped	The car BUMPED into the bus.

10. type TYPE the letter on the typewriter.

The Monster Test Spelling Word List reads like poetry, which is not relevant in any way to the test's ability to determine developmental spelling, but it is interesting. Often that latter quality belies any objectivity.

## MONSTER TEST

# How to Analyze the Spellings

#### An overview of the developmental levels of spelling:

A scoring chart is provided on page 5 to help you analyze the spellings. Before going further, think about the features that you will look for at each developmental level. For example:

- PRECOMMUNICATIVE SPELLING is the "babbling" stage of spelling. Children use letters for writing words but the letters are strung together randomly. The letters in precommunicative spelling do not correspond to sounds. Examples: OPSPS = eagle; RTAT = eighty.
- 2. SEMIPHONETIC SPELLERS know that letters represent sounds. They perceive and represent reliable sounds with letters in a type of telegraphic writing. Spellings are often abbreviated representing initial and / or final sound. Examples: E = eagle; a = eighty.
- 3. PHONETIC SPELLERS spell words like they sound. The speller perceives and represents all of the phonemes in a word, though spellings may be unconventional. Examples: EGL = eagle; ATE = eighty.
- 4. TRANSITIONAL SPELLERS think about how words appear visually; a visual memory of spelling patterns is apparent. Spellings exhibit conventions of English orthography like vowels in every syllable, e-marker and vowel digraph patterns, correctly spelled inflectional endings, and frequent English letter sequences. Examples: EGIL = eagle; EIGHTEE = eighty.
- 5. CONVENTIONAL SPELLERS develop over years of word study and writing. Correct spelling can be categorized by instruction levels. For example, correct spelling for a corpus. . . words that can be spelled by the average fourth grader would be fourth grade level correct spelling. Place the word in this category if it is listed correctly.

#### Analyzing the words:

- 1. Look at the student's spelling for each word. Find the error type in the chart provided on page 5 that best matches the student's spelling of the word.
- Write the appropriate developmental label next to the word on the student's spelling list. You will determine if the student's spelling most closely matches the word listed on the chart below that is representative of the Precommunicative spelling stage, the Semiphonetic spelling stage, the Phonetic spelling stage, the Transitional spelling stage, or the Conventional spelling stage. Once you have decided which word on the chart on page 5 is the best match to the way that the student spelled the word, write the matching developmental spelling stage beside each of the ten spelling words.

## MONSTER TEST

- 3. Next look at the spelling stages next to each word to determine if most of the student's spellings were at the Precommunicative stage, the Semiphonetic stage, the Phonetic stage, the Transitional stage, or the Conventional stage. This is the student's probable developmental level. Even though ten words is a small sample, this test will reveal the types of developmental errors that a student is likely to make in free writing.
- 4. Observe other invented spellings in the student's written language sample to verify the student's level of development. Remember that many of the student's spellings in free writing may be conventional. Students who are at lower developmental levels may have memorized spellings for words such as C A T, cat. It is their misspellings, however, that provide "windows into their minds" to reveal their developmental level of spelling.

## MONSTER TEST

# DEVELOPMENTAL SPELLING TEST SCORING CHART

# Dr. J. Richard Gentry Professor of Elementary Education and Reading

WORDS		Precommunicative Stage	Semiphonetic Stage	Phonetic Stage	Transitional Stage	Conventional Stage	
1.	monster	Random letters	mtr	mostr	monstur	monster	
2.	united	Random letters	u	unitd	younighted	united	
3.	dress	Random letters	jrs	jras	dres	dress	
4.	bottom	Random letters	bt	bodm	bottum	bottom	
5.	hiked	Random letters	h	hikt	hicked	hiked	
6.	human	Random letters	um	humm	humum	human	
7.	eagle	Random letters	el	egl	egul	eagle	
8.	closed	Random letters	kd	klosd	clossed	closed	
9.	bumped	Random letters	b	bopt	bumpped	bumped	
10.	type Random letters		tp	tip	tipe	type	

### FrameWork 12/21

Image 1.) The chart of the International Phonetic Alphabet (IPA) as of 2020, with the phonetic symbols rendered in the TeX TIPA Roman font, as selected by the Alphabet, Charts and Fonts committee of the International Phonetic Association., 2020

Image 2.) 1/The FAA Phonetic and Morse Code Chart. Made in INKSCAPE by Jaime AA. Sanchez. Edited to correct the letter H by Richard G. Clegg., 2006

Image 3.) A version of the bouba/kiki effect image I made in Adobe Illustrator, 2021

Images 4-6.) Pages 3-5 of the Monster Test YOU CAN ANALYZE DEVELOPMENTAL SPELLING . . . And Here's How To Do It! Early Years K-8 by Dr. J. Richard Gentry., 1985