ICONIC PHONICS



a demonstration and report on an innovative literacy teaching method

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In 2011 ASPBAE/PEAN published a literacy survey of the Gulf Province (amongst others), and concluded:

- "Attending school was no guarantee of achieving literacy."
- •"The education system produces mainly semi-literates."
- There is a need for

"creative new programs"

In 2013 the Department of Education put out a circular elaborating certain policies. The headings for some of those policies are:

- •"5.1 ENGLISH AS LANGUAGE OF INSTRUCTION"
- •"5.2 ENGLISH TO BE TAUGHT AS A SUBJECT"
- •"5.3 TEACHING OF PHONICS"
- •"6. VERNACULAR TO BE TAUGHT AS A SUBJECT"

It should be noted that a part of the first of those policies states that "Elementary Preparatory teachers are allowed to use the local vernacular during their lessons to explain difficult concepts". This along with policy 6 are important because **phonics** literacy has to be taught using the *sounds of language that a child already knows how to speak*.

The PHONICS way to READING 6 STEPS

 Hear WORDS <<< SOUNDS (Phonemic Awareness) /san/ <<< /s/ + /a/ + /n/

2. Connect SOUND ↔ SYMBOL

- /a/ ↔ **U**
- 3. Blend SOUNDS/SYMBOLS >>> WORDS s+u+n > /s a n/ > /san/
- 4. Connect WORD ↔ MEANING

sun /san/ ↔



5. Blend WORDS >>> SENTENCES

- the + sun + is + hot >>> The sun is hot.
- 6. Connect SENTENCE ↔ MEANING The sun is hot. ↔



ICONIC PHONICS

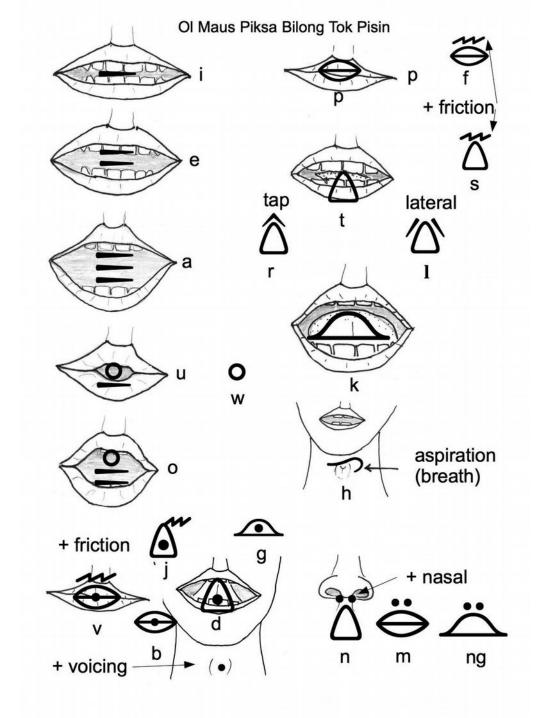
Why not use icons of the oral apparatus as initial literacy symbols?

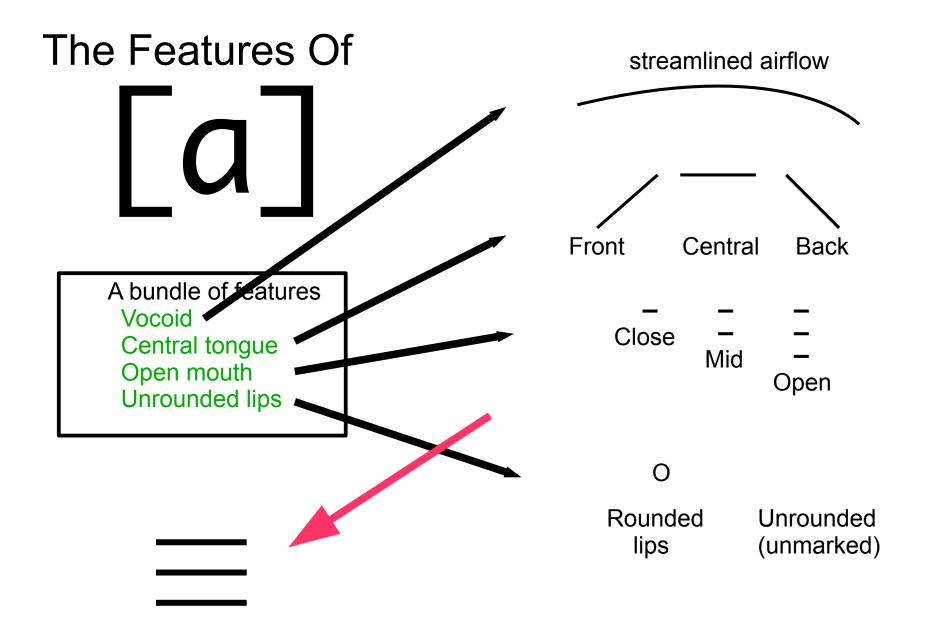
- easy to remember
- teach phonemic awareness

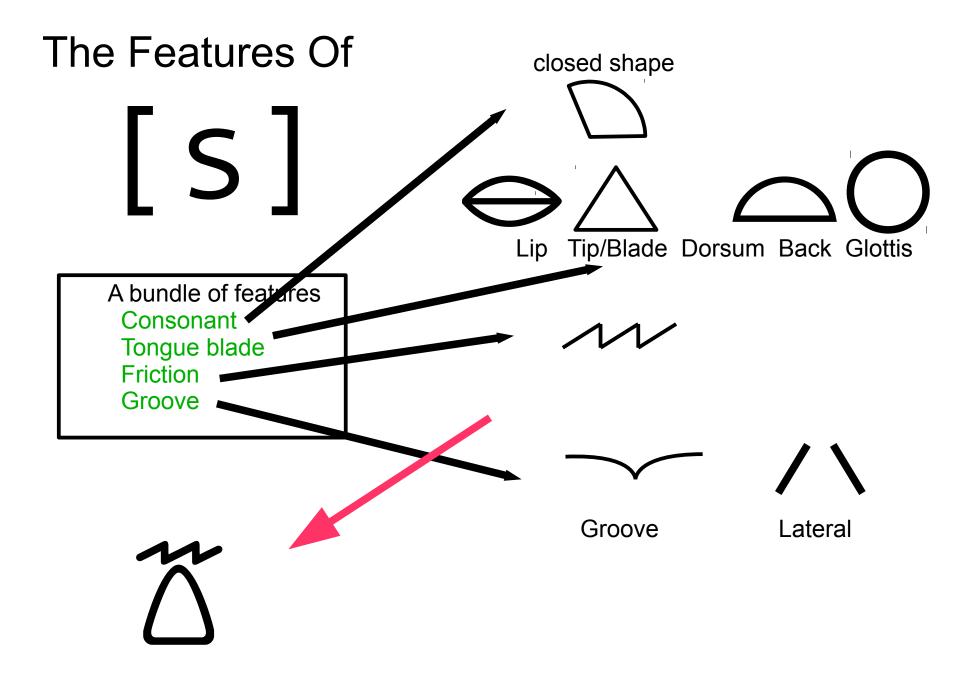


TOK PISIN

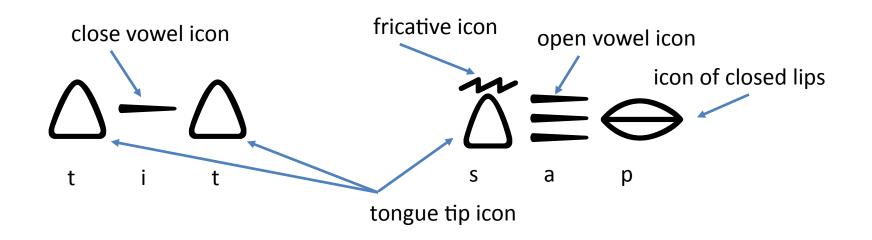
an
icono-phonological
or
icono-featural
writing system





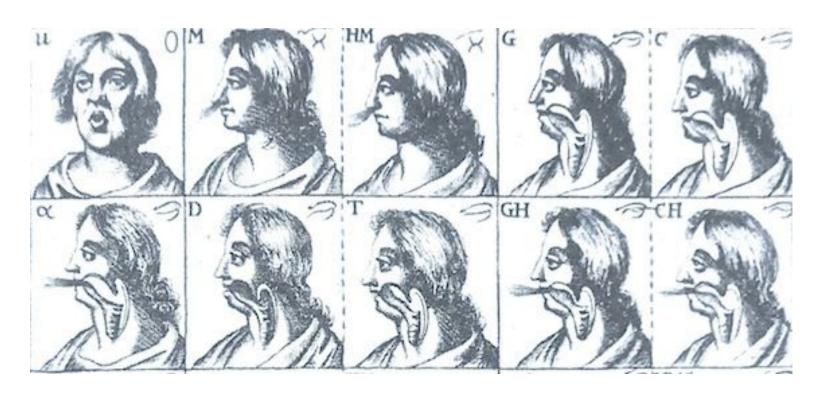


Examples from Tok Pisin:



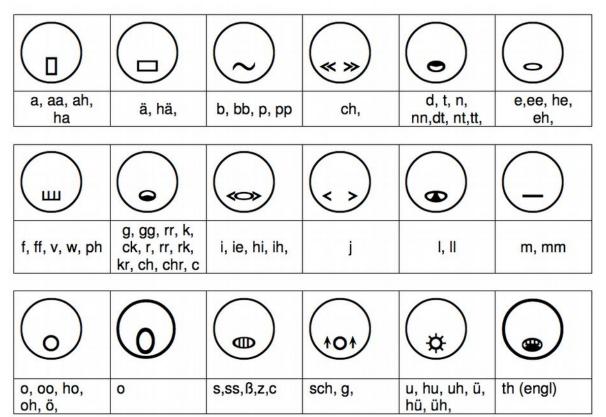
ICONO-FEATURAL ALPHABETS (1)

John Wilkins' Physiological Alphabet (1668)



ICONO-FEATURAL ALPHABETS (2)

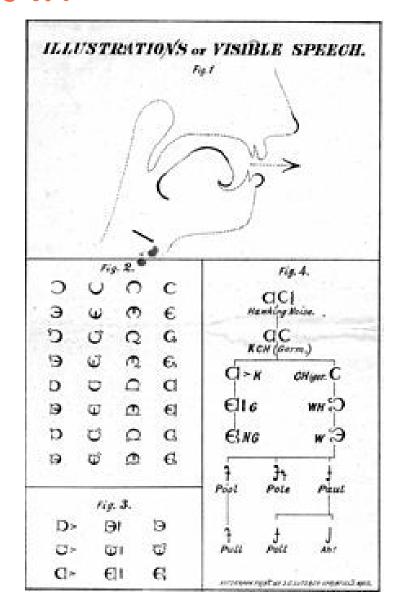
Stefan Woehrmann's Mundbilder for German deaf children (current)



see Woehrmann

ICONO-FEATURAL ALPHABETS (3)

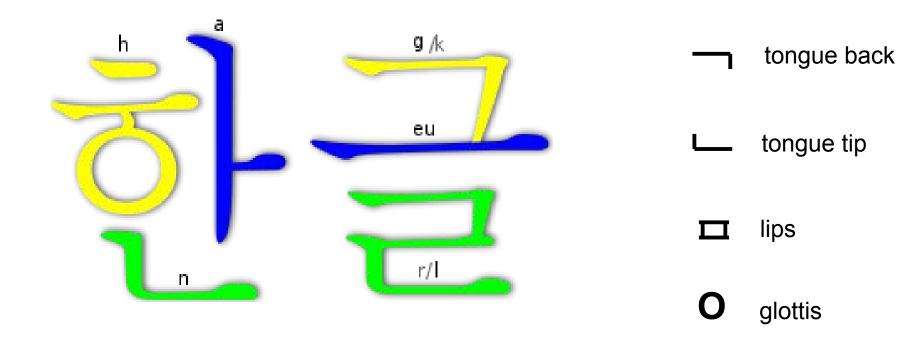
A.M.Bell's Visible Speech (1867)



Wikipedia at Visible Speech

ICONO-FEATURAL ALPHABETS (4)

King Sejong's Hangul for Korean (1446)



Wikipedia at Hangul

ICONO-FEATURAL ALPHABETS (5)

Uniskript (current - University of the Nations)

Dr Kim Cho expanded Hangul for possible international use - she showed her idea to YWAM (Youth with a Mission) leaders in 2002.

A YWAM team, including Brazilian linguists Marcia and Edson Suzuki, reworked the idea, distancing it from Korean, developing a more *universally applicable icono-featural system*. Then they tried it out with 8 languages.

In 2013 the YWAM shared their idea with SIL. We took 4 PNG people to the University of the Nations in Hawai'i to learn about it.

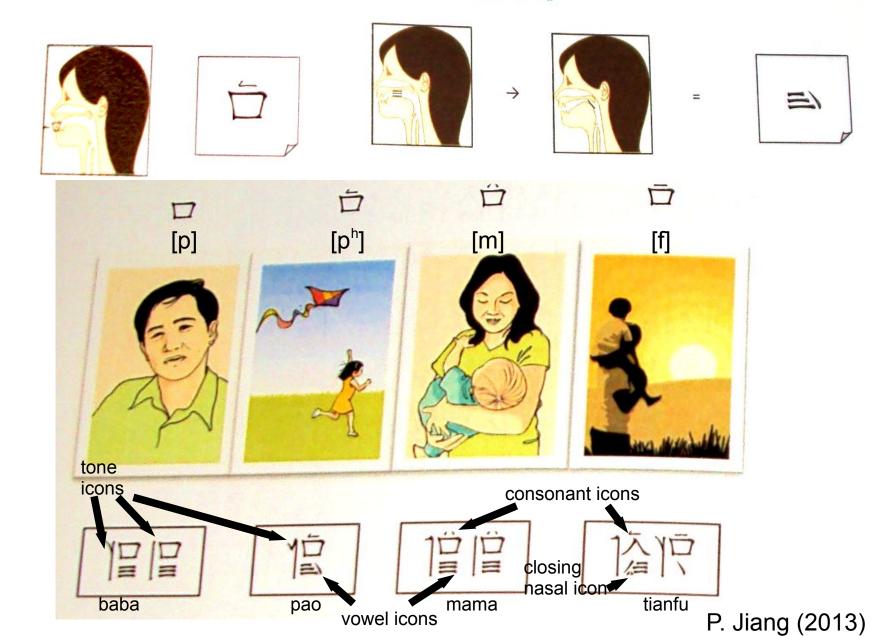
We were impressed by its ease of learning and linguistic & cultural adaptability, and have been trying it out with much interest ...

Examples of Application of UNISKRIPT principles to Specific Language/Culture Groups using their own symbol forms

Tok Pisin/Motu Urama Koriki Kope English

36. 请跟我说 ao: a→u

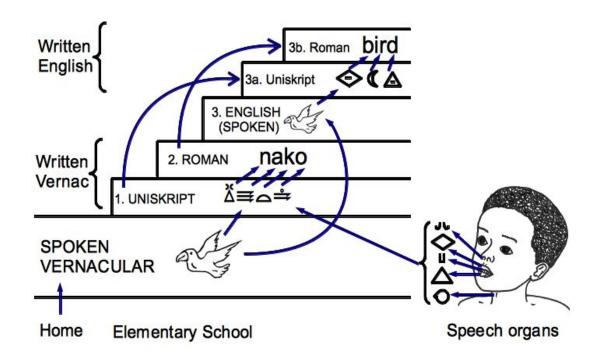
M a n d a r i n



THE UNISKRIPT to ENGLISH LITERACY PATHWAY

3 Stages

From Uniskript vernacular literacy
to Roman letter vernacular literacy
to English literacy (with Uniskript pronunciation help)



Who is using Uniskript in PNG?



Successfully taught ...

- 2013 one class, Koriki language (Kapuna: 15 children)
- 2013/14 one school, Koriki language (Ara'ava: 127 children)
- 2014 4 schools, Koriki and Kope languages (Kapuna, Kai'alavi, Kairimai, Ubu'o: 130 children)
- 2015 5 schools, Koriki and Kope languages (Kapuna, Kai'alavi, Kairimai, Ubu'o, Goilavi: 150 children)

Unsuccessful ...

- 2014 Akoma Kindergarten, Koriki language
 * teacher was untrained, and teaching
 English literacy simultaneously
 - Kivaumai EP, Urama language
 - * teacher was teaching English literacy simultaneously
 - Ara'ava Kindergarten, Koriki language
 - * Elementary TIC opposed it, stopped it
 - Goilavi Literacy School, Kope language
 - * teachers completely untrained

How good is it?

Is the extra stage worthwhile?

At Ubu'o Primary (Feb 2015)



We spent 5 hours training teachers to use Uniskript in class with all 73 children (Gd 3 - 8).

- 1 hour phonological awareness + vowel icons
- 1 hour revision + vowels and vowel blending + consonant icons
- 1 hour revision + blending "♥" (p) with a vowel (pi, po, pu, ...)

... but many knew \smile (p), and knew \longrightarrow (i), but could not blend $\smile \longrightarrow$ (pi) (Most had been taught only in English, but could not read it, or any language.)

So we split the class and spent ...

1 hour with the 60 students who could not read (Grades 3, 5, 6, 7, 8)

- revised + taught them to BLEND ⋈ (p) + any vowel



plus

- 1 hour with the 13 literate students (Grades 3, 5, 6, 7, 8)
 - taught the WHOLE of Kope Uniskript.

(At the end these 13 could write any 2-syllable word I asked them to.)

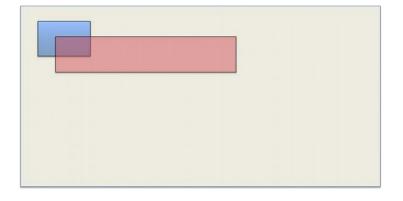
Show me the NUMBERS!

The situation with 1079 school students EP-G6 ...

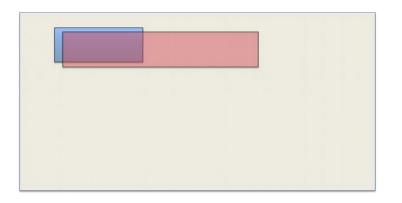
MT read Mother Tongue

Eng read English

X cannot read well

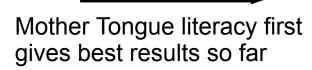


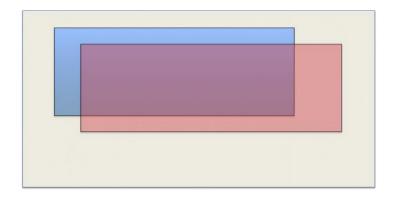
English-only n = 583 MT 3% Eng 10% X 88%



Both-at-once n = 169

MT 5% Eng 11% X 88%





MT-first n = 327

MT 34% Eng 37% X 53% The situation with 560 children in typical *ELEMENTARY* schools

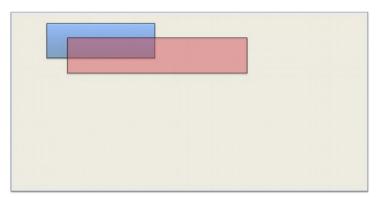
English-only

n = 368 MT 3% Eng 5% X 94%

MT read Mother Tongue

Eng read English

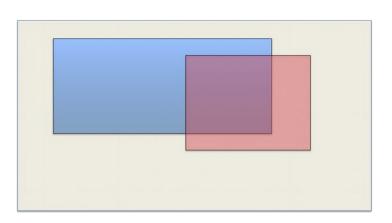
X cannot read well



Both-at-once

n = 143 MT 6% Eng 10% X 87%

Mother Tongue literacy first gives best results.
Let's look more at this one ...

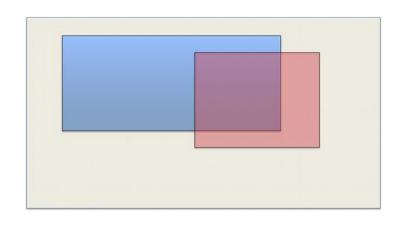


MT-first n = 49 MT 31% Eng 18%

X 61%

Literacy success in Mother-tongue first elementary level schools

NO Uniskript NOR trainer input (from previous slide)



MT-first n = 49 MT 31% Eng 18% X 61%

WITH Uniskript AND trainer input

read Mother Tongueread Englishcannot read well

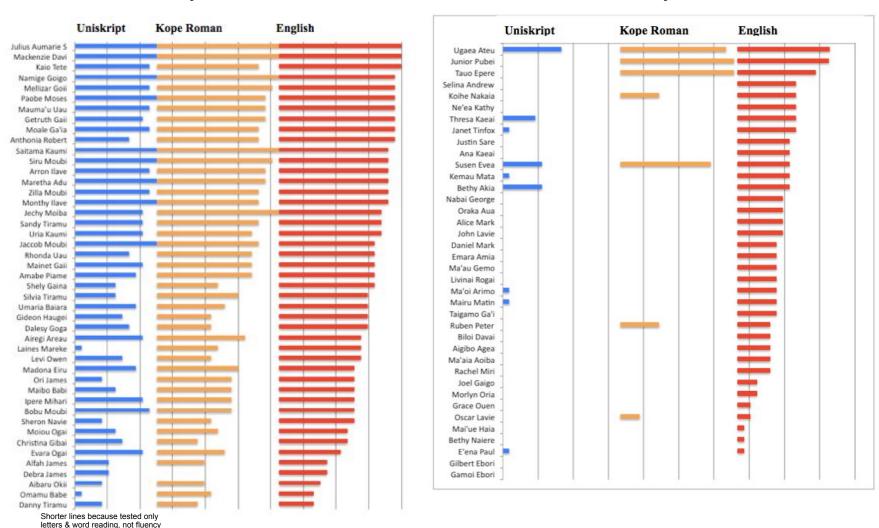


MT-first+U n = 76 MT 74% Eng 74% X 14%

most of class achieving vernacular literacy and successful bridging to English literacy

Comparing classes of 2014 Ubu'o Literacy School Year 1 &

Ubu'o Elementary School Year 3



Started with Uniskript literacy in Mother Tongue before English 1 year ago

Started with English 3 years ago!

What is making the difference?

Success comes with ...

- <u>training</u> + <u>follow-up</u> to teach in ways that children will learn
- <u>teaching ONLY one system of initial literacy</u> e.g. home language Uniskript, or home language in Roman letters until the children can read. Then bridge to English or whatever.
- <u>keeping school open</u>
 in spite of rain, pay problems, building needing repair, etc

How well does it compare to the normal literacy pathway?

Although in our area of the country teachers teaching Uniskript are often getting good results, and elementary teachers teaching English are often getting poor results, it is hard to compare fairly when teacher training is of such variable quality, and teachers are largely unsupervised in the field, and language policies change without upgrading skills to cope with the change.

However comparative studies are being planned, with some teachers trained in Roman letter phonics, and others in Uniskript; equal training, equal assistance, equal supervision.

Please wait for results ...

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