





Why phonics?









Phonics...

- refers to a method for speakers to read and write : that language
- involves teaching how to connect the sounds with letters or groups of letters (e.g., the sound /k/ can be represented by c, k, ck or ch spellings) and teaching students to blend the sounds of letters together to produce approximate pronunciations of unknown words









Phonics...



- helps students analyze the letters, letter combinations and syllables in a word;
- enables students to decode or "sound-out" a word they have in their speaking vocabulary.
- helps students "encode" unfamiliar words when they listen to a word and try to spell them out.









Word recognition



The printed word



Processing



Meaning



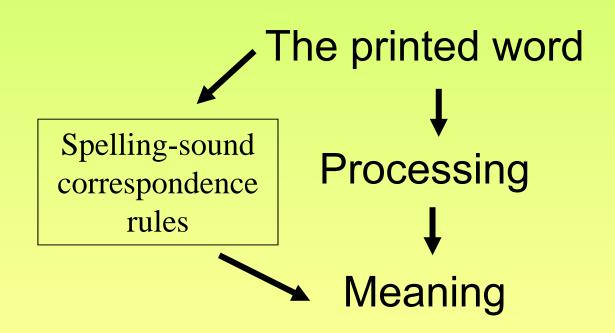








Dual-route theory of written word recognition







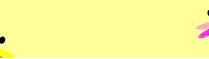


Introduction of Phonics in the English Curriculum

Year 1

- →1 phonics lesson per week in S1 and S2
- → conducted by NET
- → the role of English teachers:
 - First term: observers
 - Second term: co-teaching with NET
- also embedded in daily teaching







Introduction of Phonics in the English Curriculum

Year 2

- →Introduced in S1
- → Conducted by English teachers
- → Embedded in daily teaching









Steps to teach pronunciation using phonics

- Locate the vowel(s) in the word (magic e, 2-in-1)
- Cut up the word
- Identify the number of syllables
- Sound out different parts of the word using letter-sound correspondence or small words (long and short vowel, digraph)
- Blend the sounds and pronounce the word





beginner

How do you say this word?

- 1. How many a, e, i, o, u do you see in this word?
- 2. How can you cut up this word?



- 3. How many syllables are there?
- 4. How do you say the different parts? be...gin...ner
- 5. Now, put them together and say the word. **Listen** to the teacher and **say** the word.







litter

How do you say this word?

- 1. How many a, e, i, o, u do you see in this word?
- 2. How can you cut up this word?
- 3. How many syllables are there?
- 4. How do you say the different parts?

lit...ter
$$i = \text{short } i$$

5. Now, put them together and say the word. **Listen** to the teacher and **say** the word.









Support given to non-English teachers



- 1) Professional Development Workshops
- → Service providers / universities
- → Supported by our NET

- 2) Lesson observation on non-English teachers
- →NET / English teachers are invited to be observers
- >>> Post-lesson observation feedback





Support given to non-English teachers

- 3) Demonstration
- →NET / English teachers demonstrate the use phonics in Science / Mathematics classes

- 4)Resource teachers
- → NET / English teachers act as resource teachers









 English words do not have a one-to-one speech-sound to symbol relationship.



Example:

Single Letter / Different Sounds

Apple /'æpəl/

Always /'alweiz/

About /əˈbaʊt/

Acorn /'eikorn/

Artist / artist/











- Same Sound Different Letters
- Long vowel e
- Be, tree, quay, sea, people, piece, complete, seize, key









 The many homonyms in English create difficulties for students when they try to spell words using phonics



- pair / pear
- bare / bear









 Phonics skills may not help students in areas like stress and intonation. which 'e'?stress?









Recommendations

- Raise students' awareness of the unpredictable relationship between letters and sounds.
- Enhance students exposure to English through reading







St. Joan of Arc Secondary School S2 Science Vocabulary – Chapter 10 Acids and alkalis

Name: _	Class:	
ivanie.	Class.	

	Hydrochldric acid	Hydrochloric acid	Hydrochloric acid
Examples	Hydrochloric acid	Hydrochloric acid	Hydrochloric acid
of strong	Sulphuric acid	Sulphunic acid	sulphuric acid
acids	Sulphuric acid	sulphuric acid	Sulphuric acid
	Nitric acid	Nitric acid	Nitric acid
	Nitric acid	Nitric acid	Nitric acid

Examples	Carbonic acid	Carbonic acid	Carponie acid
of	Carbonic acid	carbonic acid	Carbonic acid
weak acids	Citric acid	Citvic acid	citrie acid
dords	Citric acid	citric acid	citric acid

Examples of	Sodium hydroxide	Sodium	hydroxide	Sodium	hydroxide
	Sødium hydroxide	Sodium	hydroxide	Sodium	Lydroxide
strong alkalis	Potassium hydroxide	Potassim	hydroxide	Potassium	hydroxida
	Potassium hydroxide	Potessium			

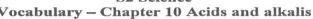
	Ammonia solution	Ammonia Solution	Ammonia solution
Examples	Ammonia solution		Ammonia Solution
of weak	Calcium hydroxide	Calcium Lydroxide	Calcium hydroxide
alkalis	Calcium hydroxide	Calcium hydroxide	calcium hydroxide
	Sodium	Sodium	Sodium
	hydrogencarbonate	hy drogencarbonate	hydrogenarhonate
	Sodium	Sodium	Sodium
	In y drogen carbonate	by drogencarbonate	hydrogencarbonate







St. Joan of Arc Secondary School S2 Science Vocabulary – Chapter 10 Acids and alkalis





Class: ZFA

	Hydrochloric acid	hydrochloric acid	hydrochloric acid
Examples	hydrochloric acid	hydrochloric acid	hydrochlorec acid
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	Witric acid	. Witric acid	Nitric acid

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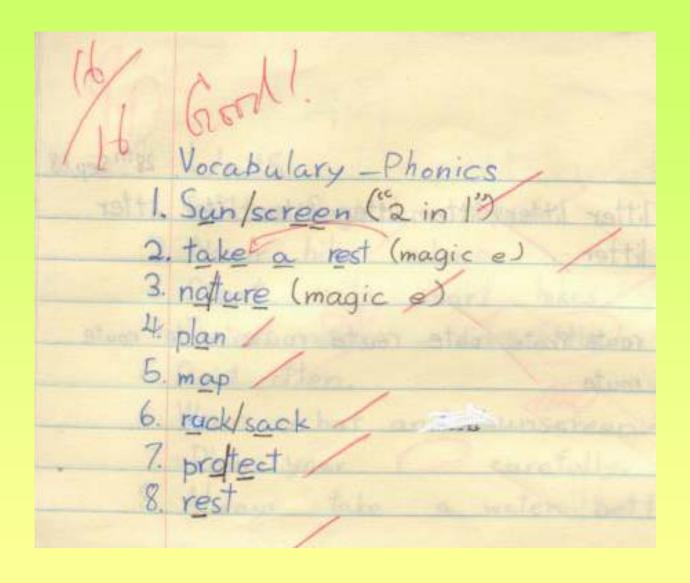
Examples	Sodium hydroxide	Sodium hydroxide	sodium hydroxide
of strong alkalis	sodium hydroxide	sodium hydroxide	Sodium hydroxide
	Potassium hydroxide	Potassium hydroxido	.Po tassium hydroxide
aikaiis	Potassium bydroxide		Potassium hydroxide

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	Sodium	sodium	sodium
	hydrogencarbonate	hydrogencarbonate	hy drugencarbonate
	sodium	sodium	sodium
	hydrogencarbonate	hydrogencarbonate	hydrogencarbonate

















Vocabulary Building

- -
- translation from English to Chinese is more demanding for students when understanding new concepts. → not recommended
- Vocabulary building can be done through identifying things. (i.e. learning vocabulary in groups or categories but not in separate items)









St. Joan of Arc Secondary School S2 Science Vocabulary – Chapter 10 Acids and alkalis

Name:	Class:	

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uolus	Citric acid	citric acid	citric acid

Examples of strong alkalis	Sodium hydroxide	Sodium	hydroxide	Sodium	hydroxide
	Sødium hydroxide	Sodium	hydroxide	Sodium	Lydroxide
	Potassium hydroxide	Potassim	hydroxide	Potassium	hydroxida
	Potassium hydroxide	Potessium			

	Ammonia solution	Ammonia Solution Ammon	ia solution
Examples of weak alkalis	Ammonia solution	Ammonia Solution Ammon	
	Calcium hydroxide	Calcium Lydroxide Calcium	and the second s
	Calcium hydroxide	Calcium hydroxide calciu	n hydroxide
	Sodium	Sodium Sodie	nu '
	hydrogencarbonate	hydrogencarbonate hydroc	ewarhonate
	Sodium	Sodium Sodium	1
	Ih y drogen carbonate	by drogencarbonate hydro	gencar bonat







Vocabulary Building

 vocabulary worksheet can be designed in the form of diagram labelling instead of a table with vocabulary.



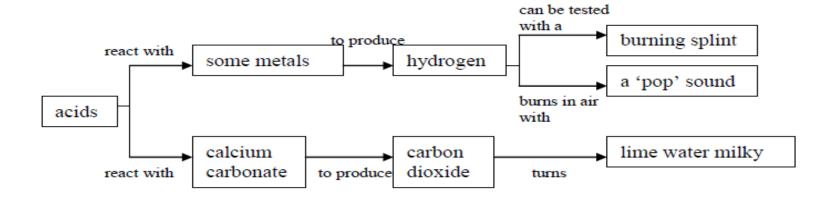


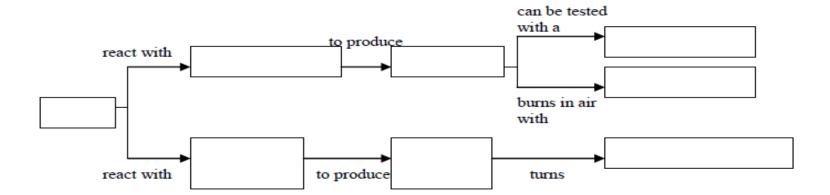
St. Joan of Arc Secondary School S2 Science Vocabulary – Chapter 10 Acid rain

Jame:			Class:	()
neutralization				
acid	alkali	=	salt	+ water
pH value < 7	pH value > 7			
-		=		+

St. Joan of Arc Secondary School S2 Science Vocabulary – Chapter 10 Acids and corrosion

Name: _____()





Ways to explain vocabulary

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- 1. Synonyms
- 2. Antonyms
- 3. Pictures
- 4. Mime / Actions
- 5. Sound
- 6. Reality









Q & A



Thank you!







