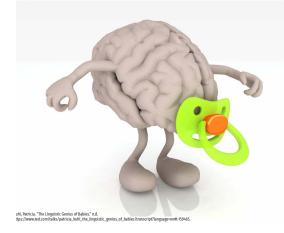




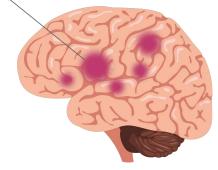
When students have mastered **decoding skills**, they will be able to read and comprehend at the same level they can listen and comprehend.



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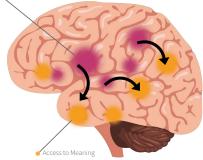
Baby brains are constantly taking statistics from their environment. Access to Pronunciation & Articulation



The brain codes the sounds of the language.

Logic of English

Access to Pronunciation & Articulation



The sound area is then connected to the area of the brain that stores meaning.



ess to Pronunciation & Articulatio

Speech is the starting point for reading.







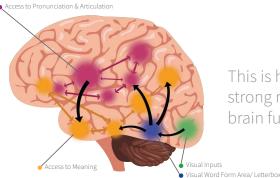


#### **Remember:**

Comprehension skills can be developed by both **reading** printed texts and by **listening** to texts be read aloud by someone else.

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This is how a strong reader's brain functions.

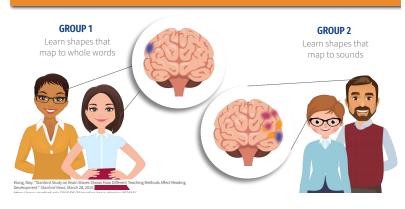
Logic of English

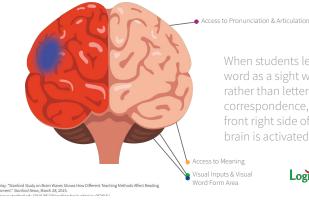
#### Struggling Reader



Strong Reader

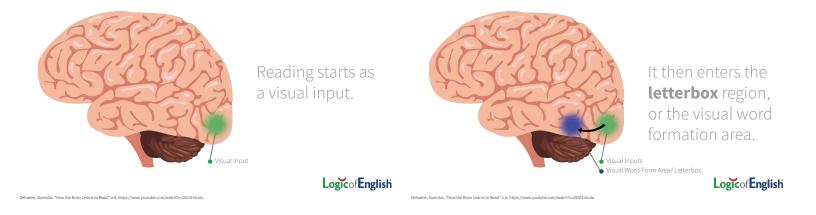


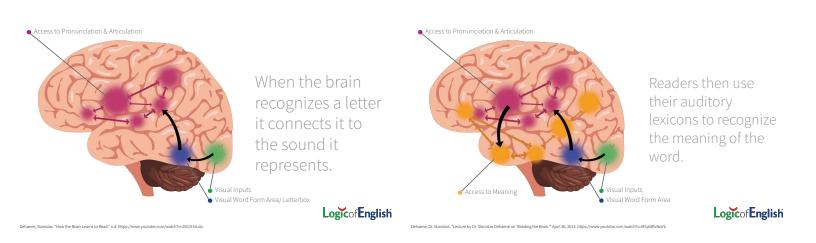




When students learn a word as a sight word rather than letter sound correspondence, the front right side of the







#### National Reading Panel

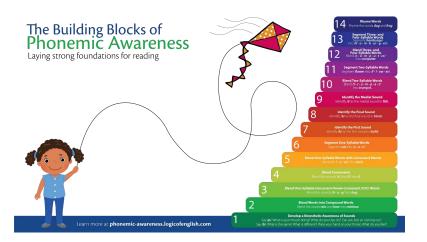


- Phonemic Awareness
- Systematic Phonics
- Fluency
- Vocabulary Development
- Reading Comprehension

## **Phonemic Awareness**

The understanding that words are comprised of individual sounds.

**Logic**of**English** 



\$

#### A Kinesthetic Awareness of Sounds

#### Voiced and Unvoiced

**Logic**of**English** 







Blend Two Words into a Compound Word

Logic of English

Logicof English

## Blend One-syllable CVC Words

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Blend One-syllable CVC Words

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Logicof English



#### Blend One-Syllable CCVC and CVCC Words

Segment One-Syllable Words

of**English** 

Logicof English



#### Hear it! Do it!

**Logic**of**English** 

Logic of English





Logicof English



Logicof English



#### Blend Two-Syllable Words

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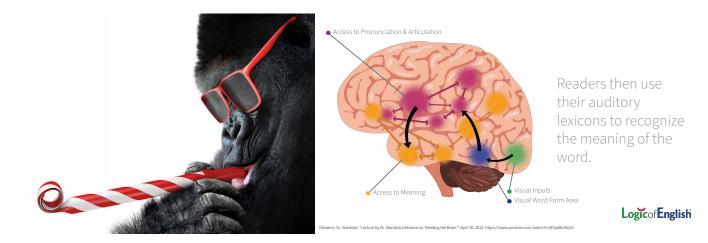
Blend Three- and Four-Syllable Words

Logicof English

Blend Three- and Four-Syllable Words



Logic of English



## Fluency

Mastery of the skills of phonemic awareness to the point of automaticity.

Logicof English

Reading starts as a visual input.

Logic of English

It then end letterb or the ve formation Visual linguts Visual Word Form Area/Letterbook

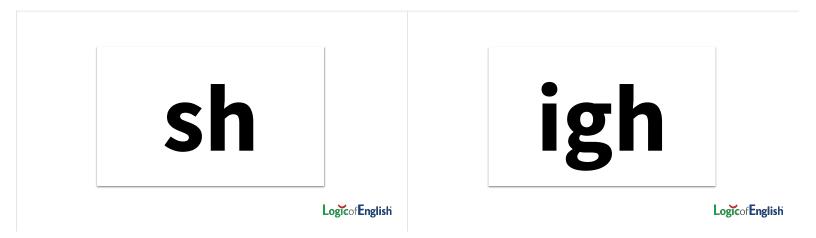
It then enters the **letterbox** region, or the visual word formation area.

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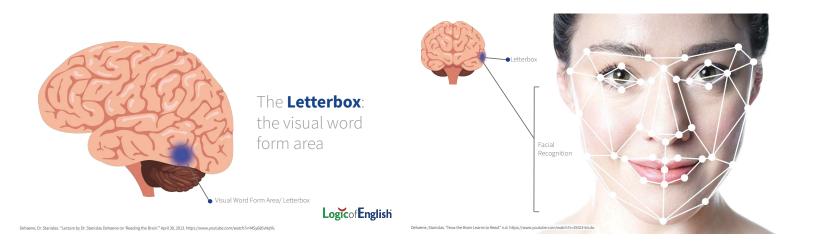


ual Input











# b d p q

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The way to overcome this is by teaching **handwriting**!

"The motor experience of manually creating letterforms helps children discriminate the essential properties of each letter, which leads to more accurate representations bolstering both skilled letter recognition and later reading fluency."

ck, Kenneth Pugh, Masanori Nagamine, Emily Kutner, et al. "Neuroimaging Correlates of

Logicof English

n h



n n





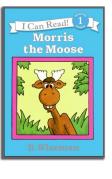
tHe lETtEr bOX ReGIoN rEcoGNiZes wORdS rEgARdlEsS oF cAsE.



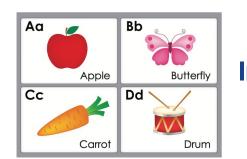


#### Read Books

One	the moose
a	
You are a _	<mark>moose</mark>
said.	
	moose



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#### Sight Words



#### Sight Words

Human memory is limited to approximately **2,000** sight-sound symbols.

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# 1,000,000 words English

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# **50% Exceptions!**

## 500,000 Words!

6,500

Exceptions!!!

An average five-year-old knows **13,000** words.

# Exceptions! 1,000,000 words English

# Explain **98%** of **English**words

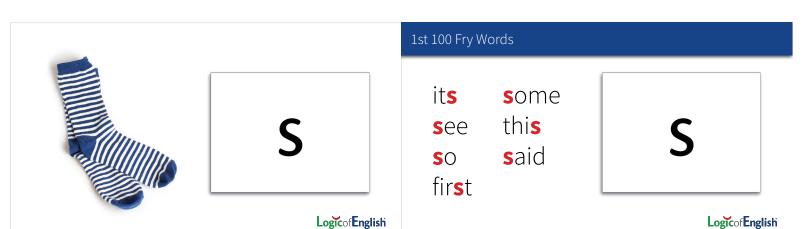
**Logic**of English

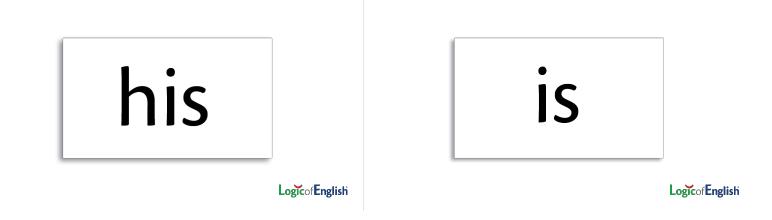
## 75 Phonograms 31 Spelling Rules

## **Systematic Phonics**

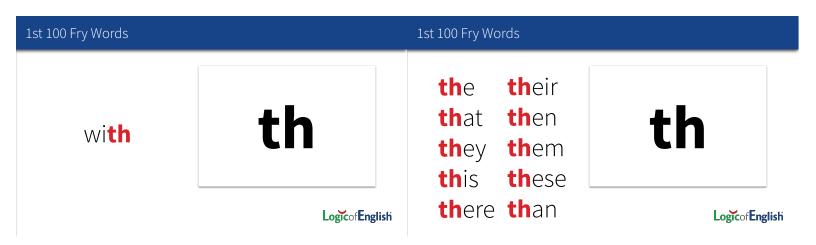
An **accurate** written code which translates sounds into a visual image.

Logicof English





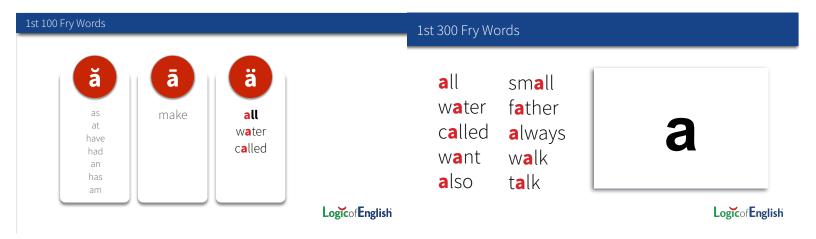






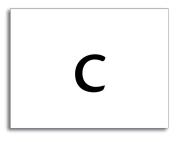


Logicof English









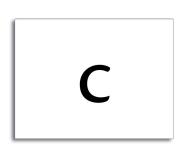


1st 400 Fry Words		Fry Words	
pla <b>ce</b> senten <b>ce</b> voi <b>ce</b> fa <b>ce</b> noti <b>ce</b> sin <b>cece</b> rtain pie <b>ce</b> spa <b>ce</b>	C	city decided circle exercise decimal exciting	C

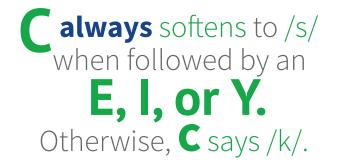






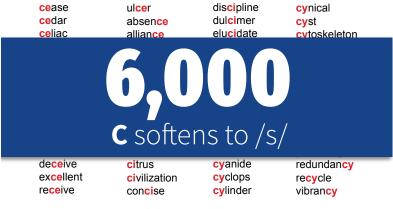


Logicof English



**Logic**of**English** 















Logicof English

giant region gibberish

g
---

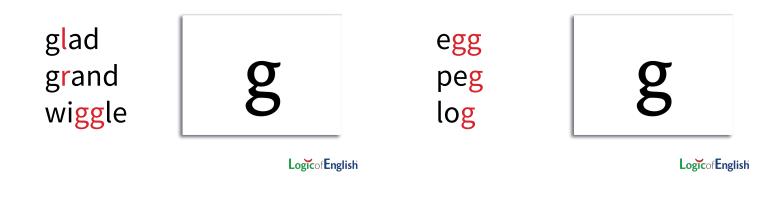
**Logic**of**English** 







Logic of English

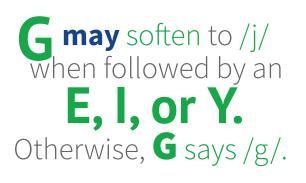


Fry Words

machine

material

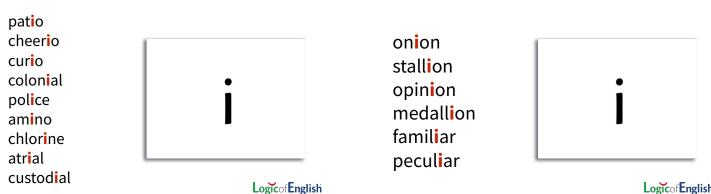
radio

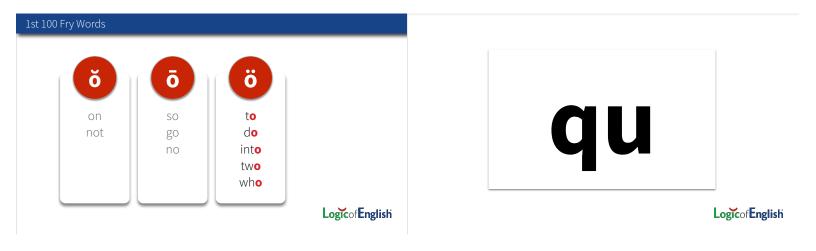


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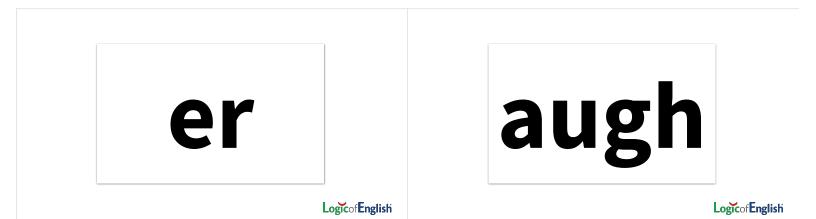


Logic of English









## **Systematic Phonics**

An **accurate** written code which translates sounds into a visual image.

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## **Spelling Rules**

**Logic**of **English** 

## **Long Vowels**

What is the most common reason for a vowel to say its long sound?

**Logic**of**English** 



Critical Thinking Skills	
bag b <mark>ā</mark> gel	tot t <b>ō</b> tal
bend b <mark>ē</mark>	hum h <b>ū</b> man LogĭcofEnglish



#### 1st 100 Fry Words

he	SO
be	go
We	no
she	

Rule 4 A E O U usually say their long sounds at the end of the syllable.

## picnic + ing = picnicking

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## garlic+y=garlicky

**Logic**of English



cape pete ripe robe

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## 50% Exceptions!

Logic of English

**Logic**of**English** 

have give solve mauve comprehensive

## English words do not end in

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1st 400 Fry Words	
have	
give	
move	
above	
leave	
	Logicof English

true
blu <b>e</b>
value
continue
residue

F	Fry Words	
	tru <b>e</b> blu <b>e</b> continu <b>e</b> valu <b>e</b>	
LogicofEnglish		LogicofEnglish



1431 words!

morewords.com

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Fry Words

voic <b>e</b>	dance
sentenc <b>e</b>	differenc <b>e</b>
since	distanc <b>e</b>
piec <b>e</b>	practic <b>e</b>
force	experienc <b>e</b>
notic <b>e</b>	substanc <b>e</b>
surface	

**Logic**of**English** 

Logic of English





**Logic**of English





## notice + able = noticeable

## Calways softens to /s/ when followed by an E, I, or Y.

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There are **9 reasons** for a **silent final E** 

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**Logic**of English





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# function

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Logic of English



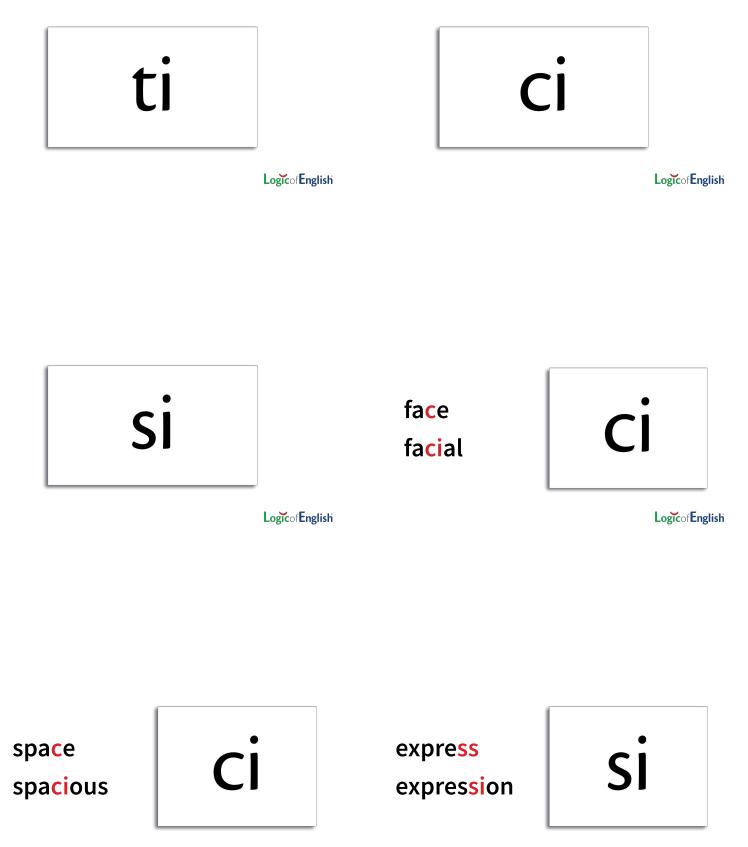
# explosion

Logic of English

Logic of English







## confe<mark>ss</mark> confes<mark>si</mark>on



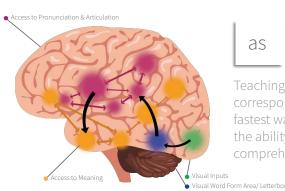
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locate location



**Logic**of**English** 







Teaching letter sound correspondences is the fastest way to acquire the ability to read and comprehend..

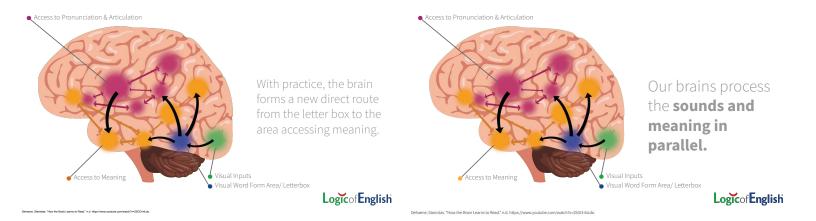
Logic of English

Fluency

Mastery of the skills of systematic phonics to the point of automaticity.

Dehaene, Stanislas. "How the Brain Learns to Read." n.d. https://www.youtube.com/watch?v=25GI3-kiLdo.



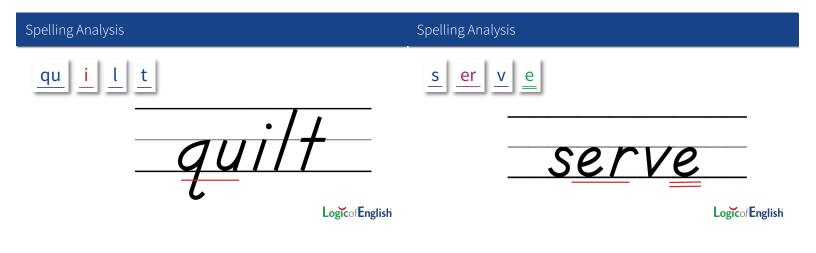


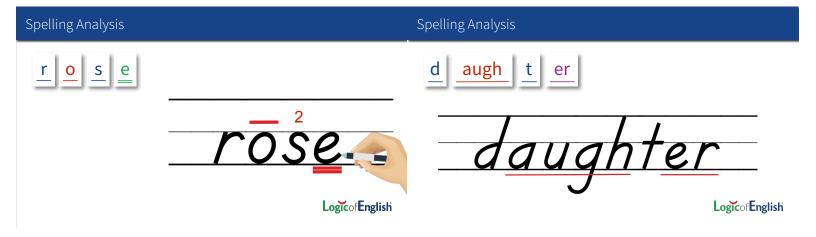


Once they know the letter sound correspondences, emerging readers can self teach fluency.

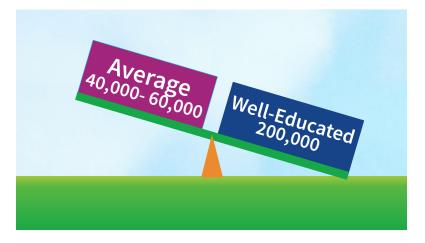
**Logic**of**English** 











#### Words are grouped by meaning



Morpho-phonemic

#### Morpho-phonemic

## Morphemes

Units of meaning



**Logic**of **English** 

Morpho-phonemic

Vocabulary Development



tract

#### Vocabulary Development

#### Vocabulary Development





#### **tract**or

# Vocabulary Development Vocabulary Development Vocabulary Development Image: Constract Image: Constract Image: Constract



#### Vocabulary Development



### dis**tract**

#### Derivatives of **tract**

abstract	attractions	detracting	extractive	retraction	tractable
abstracted	attractive	detraction	extractively	retractions	tractableness
abstractedness	attractively	detractions	extractives	retractor	tractably
abstractednesses	attractiveness	detractive	extractor	retractors	tractate
abstracter	attractivenesses	detractively	extractors	retracts	tractates
abstracters	attractor	detractor	extracts	semiabstract	traction
abstractest	attractors	detractors	intractabilities	semiabstraction	tractional
abstracting	attracts	detracts	intractability	semiabstractions	tractions
abstraction	contract	distract	intractable	subcontract	tractive
abstractionism	contracted	distracted	intractably	subcontracted	tractor
abstractionist	contractibility	distractedly	protract	subcontracting	tractors
abstractionists	contractible	distractibility	protracted	subcontractor	tracts
abstractions	contractile	distractible	protractile	subcontractors	unattractive
abstractive	contractility	distracting	protracting	subcontracts	unattractively
abstractly	contracting	distractingly	protraction	subtract	
abstractness	contraction	distraction	protractions	subtracted	
abstractnesses	contractional	distractions	protractive	subtracter	
abstractor	contractions	distractive	protractor	subtracters	
abstractors	contractive	distracts	protractors	subtracting	
abstracts	contractor	extract	protracts	subtraction	
attract	contractors	extractability	retract	subtractions	
attractant	contracts	extractable	retractable	subtractive	
attractants	contractual	extracted	retracted	subtracts	
attracted	contractually	extracting	retractile	tract	
attracting	detract	extraction	retractility	tractabilities	
attraction	detracted	extractions	retracting	tractability	

#### Tricky Word



Tricky Word



twin

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**Logic**of **English** 

#### twin twice twelve twenty two

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## **Comprehension Skills**

Strategies a reader may employ to better comprehend a text.

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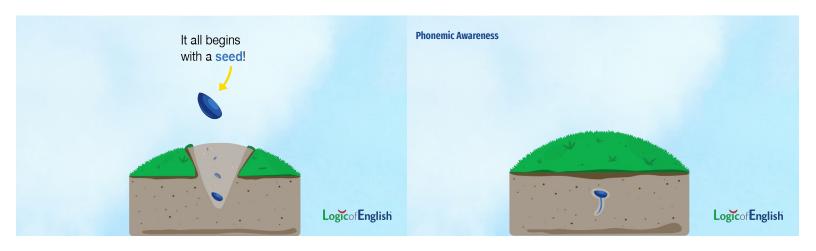
# Bloom's Taxonomy of Learning Evaluate FACT JUDGE EXPRESS OFINION EVALUATE CRIT Create REWRITE SOLVE WRITE INVENT DESIGN COA

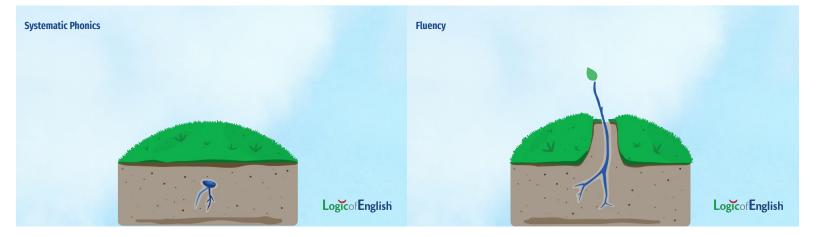


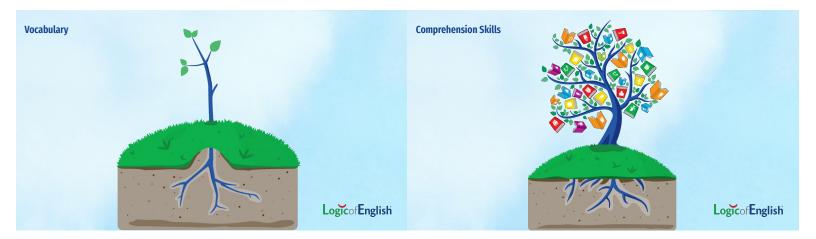
Read & Co	omprehend	Physics Astronomy Earth Science Biology Anatomy Math Math Engineering History Business Economics Government Cultural Studie	Psychology Computer Scie Literature Linguistics	
Vocabulary	Comprehension	Development Sk	Comprehension	
Development	Skills		Skills	
Systematic Phonics		Systematic Phonics		
Fluency		Fluency		
Phonemic Awareness		Phonemic Awareness		





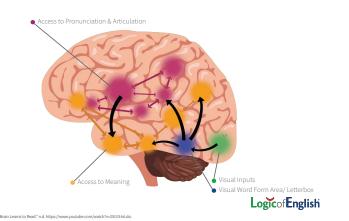














## **Phonemic Awareness**

The understanding that words are comprised of individual sounds.

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## **Systematic Phonics**

An **accurate** written code which translates sounds into a visual image.

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## morphemes units of meaning

