Word Engine

High Frequency Vocabulary Fast and Effective!

Introducing the Word Engine

Dr. Charles Browne, Dr. Brent Culligan and Guy Cihi Lexxica Corp. 2-7-8 Shibuya 5F Shibuya-ku, Tokyo 150-0002 Japan



Why is high-frequency vocabulary so important?

Word Engine

High-frequency vocabulary words occur more often and therefore contribute disproportionately more to comprehension than other vocabulary!

Key Comprehension Thresholds



Below 80 percent coverage, reading comprehension is almost impossible. (Hu & Nation, 2001)

Above 95 percent coverage, it becomes possible to read without using a dictionary. (Laufer, 1989)

Coverage = Comprehension

- 95% vocabulary coverage means knowing 19 out of every 20 words
- Research shows that 95% vocabulary coverage is the threshold for independent reading

Word Engine What is it?

It's a fast and accurate way to identify which specific high-frequency vocabulary words a student is missing for each selected subject.

It's a fast and efficient way for students to learn their missing high-frequency vocabulary words for each selected subject. What is it?

Word Engine is a vocabulary supplement. It works on PCs and mobile phones.



<u>Contact Us</u> | <u>About Word Engine</u> | <u>Terms of Use</u> | <u>Privacy Policy</u> Copyright © 2008 Lexxica. All rights reserved. International Patents Pending.



- •100% online
- No DVD-ROMs
- 'White label program'

Word Engine

How does it work?



- 1. Corpus Analysis identifies high-frequency words by subject.
- 2. V-Check identifies each learner's known/unknown words.
- 3. Advanced Learning Tools rapidly teach unknown words.

1. Corpus Analysis

Ex: TOEIC

787,382-word TOEIC corpus



7,278 different words constitute 100% of all words occurring.
3,461 different words constitute 99% of all words occurring.
1,733 different words constitute 95% of all words occurring.

Word Engine

2. V-Check – an online IRT test

V-Check - Vocabulary Coverage Test

V-Check[®]

 V-Check will now test your ability and prepare target words for your subjects.

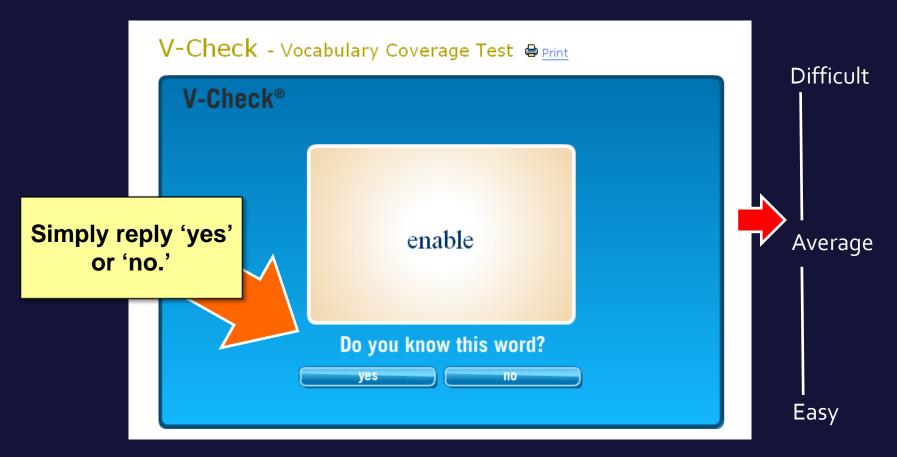
- * Click "Yes" if you know the word.
- * Click "No" if you do not know the word.

continue

Quick and accurate.

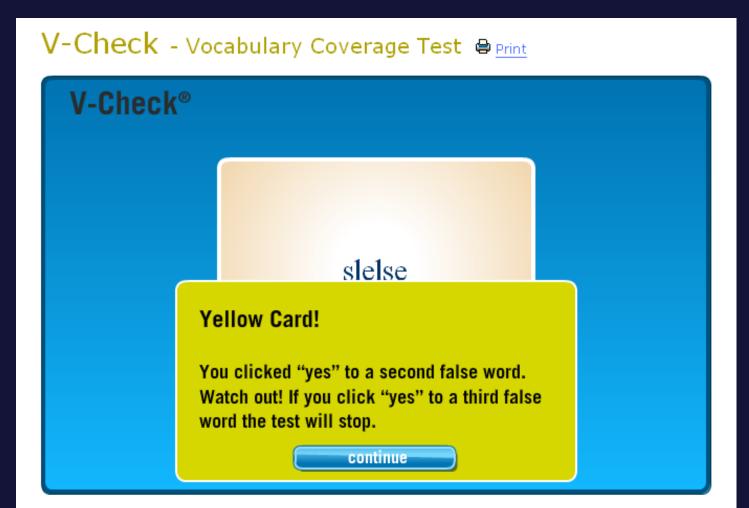
Average test requires just five minutes.

V-Check begins automatically after each learner account is created.

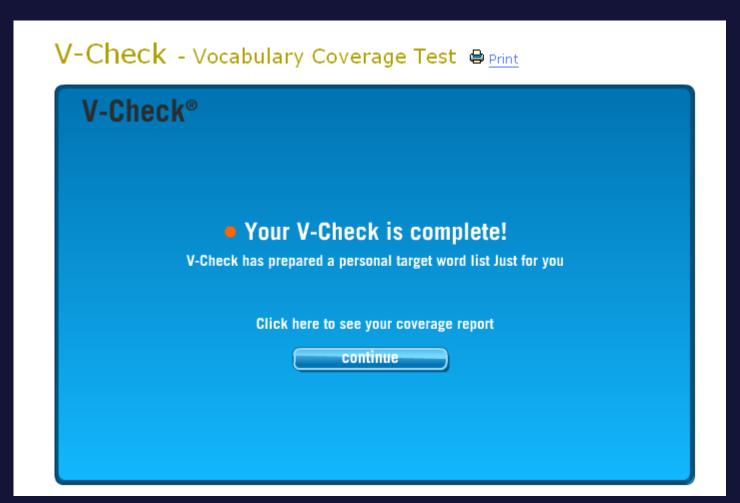


The difficulty of each item adjusts based on the previous response.

Many non-words appear to control for guessing behavior.



V-Check ends automatically when it has confirmed the learner's ability level.



The Coverage Report shows the learner's vocabulary comprehension by subject.

The upper portion shows comprehension of all general English.

The lower portion shows the student's comprehension of the different specific subjects.

Coverage Report Print Username : Cool88 V-Check Coverage Report Test Date : 2009/01/19 **All General English** All General English Coverage (vocabulary comprehension) 80% 95% 99% No dictionary Need a dictionary Dictionary won't help comprehension 70% Total number of English words you probably know 3000 4000 6000 20.000+2000 HS College Level Business JHS Native Level Level Level Level 2120 words English for Specific Purposes Words you know Words you study Coverage (%) 80% 95% 99% Subjects No dictionary Need a dictionary Dictionary won't help comprehension Advanced English 1115 words 70% 8011 words 9126 words TOEIC 1037 words 79% 2424 words 3461 words EIKEN 3 87% 626 words 229 words 855 words Center Exam 82% 998 words 1674 words 2672 words What is coverage? (?) choose a program from the top page

Word Engine

3. Learning Tools

Learning Tools



Focus on Comprehension

Flashcards might seem a bit old fashioned, yet they remain one of the most efficient ways to rapidly increase your vocabulary size. Our patented electronic flashcard system offers major improvements over paper-based cards.



Focus on Visual Speed

Research confirms that faster visual recognition leads directly to higher ability and performance! SightWords is a fast-paced game designed to increase the speed of your visual recognition of high-frequency vocabulary.



Focus on Listening Speed

Research confirms that fast sound recognition is essential for effective comprehension. SoundBubbles is a listening game designed to increase your aural skills fast.



Mobile Flashcards and Learning Games

With our mobile learning tools you can practice new words anytime, anywhere. Click here for QR code, URL links, and detailed information. Note: Before you can access the mobile service you must first create a user account on the PC Word Engine.

The Learning Tools teach different aspects of word knowledge.

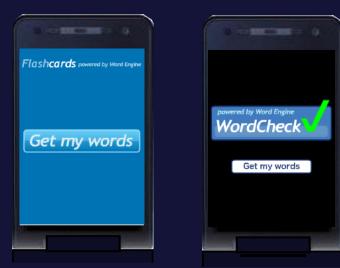
Word Engine





SightWords - Focu	ıs on Visual Speed ⊜ <u>Print</u>		
1 of 10 0	an answer	TIME 14	S <mark>ight</mark> Nords
	swan		
respo	nse employer		
\bigcirc			
Items per session: 10 💌 Method	: See English Definition - Find English Word 💽 Save	Settings	

Mobile Tools



How do students sign up and use the Word Engine?

Students experience the Word Engine as an <u>extension</u> of your school.



Example: The Wright Language School 'Sponsors' a Word Engine

Wright's students get to the Word Engine from their school's own website.



The Wright Language School home page.

Wright provides an explanation about the Word Engine on their own website.



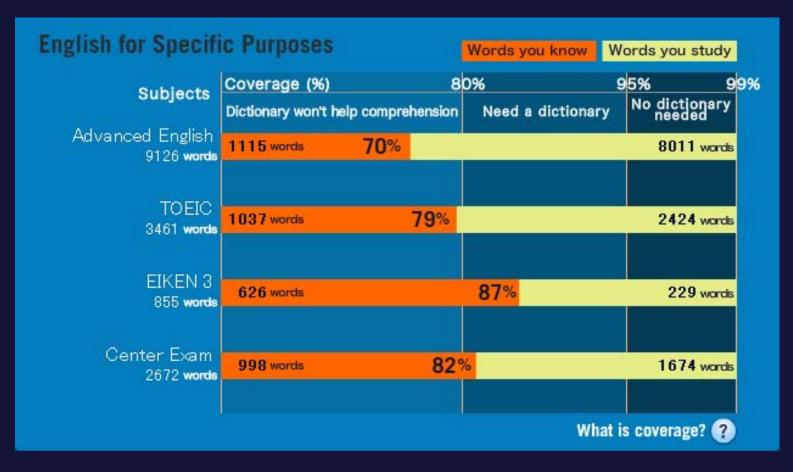
How do students use it?

The Wright Word Engine home page



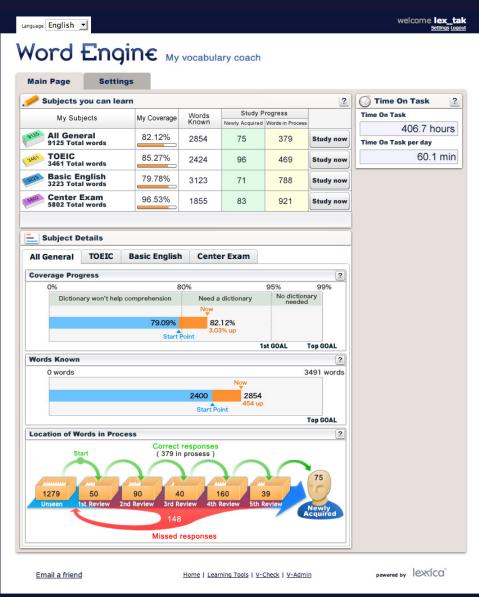
99% coverage of all English for EIKEN Grade 3 tests. 2672 high-frequency words that provide 99% coverage of all English for Center exams. Finally, there's a quick and simple way for you to learn the important key vocabulary you need for academic and career success!

The Wright Coverage Report



Each Wright Coverage Report will show vocabulary comprehension scores for all general English, and the subjects Wright has selected.

How do students use it?



Corporate Services | Affiliates Program | Contact Us | About Lexxica | Research | Terms of Use | Privacy Policy Copyright © 2008 Lexxica. All rights reserved. International Patents Pending. Students monitor progress with the "My Page" report.

The upper portion shows vocabulary comprehension by subject.

The lower portion shows progress details by subject.

V-Admir	n 2.0 N	lonitor									
Basic English	т	DEFL	TOEIC	C	enter Exa	m					
Create a new grou	p 🐴	Group	Name / Username	Initial	Score	Current	t Score	New Word	ls Learned	Time-c	on-Task
Edit or delete a grou	up 🗶 🗎		ci sup numer oscinume		Words	<u>Coverage</u>	<u>Words</u>	<u>Total</u>	<u>Avg. / Day</u>	<u>Total</u>	<u>Avg. / Day</u>
			E (12)	73.8%		.6%	3128	132	18.9	2h 20m	20m
All (139)		R Yama	Yamada Tami			.9%	3521	160	22.9	2h 27m	21m
Class A (28)		Ono J	iiro	74.4%	-			1			18m
□ <u>Ω</u> Class B (53) □ <u>Ω</u> Class C (30) ☑ <u>Ω</u> Class E (12)		Nishioka Keiko		71.5%	.091			16m			
		Nakamura Aiko		74.4%	3014		18m				
		Ando Taro		75.2%	3361	Initial coverage					
	∑ 🙀 Class E Male (3) □ 🔐 Class E Female (9)		Suzuki Risa		3014		18m				
Class E Fe					2996	score					20m
			A Meguro Daisuke		3014						18m
		Robay	yashi Junko	75.2%	3361	1					21m
		S Ishida	a Yoko	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m
		2 Yoshi	ida Kayo	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m
		Saito	Miyuki	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m
			ass E Male (3)	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m
		2 0)no Jiro	74.5%	3014	74.8%	3128	114	16.3	2h 06m	18m
		A 2	ndo Taro	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m
		<u>Я</u> м	leguro Daisuke	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m
		Export	o file								00 - 12 ³

V-Admin 2.0 Monitor													
Basic English	T	OEFL	TOEIC	С	enter Exa	am							
Create a new group		Group	Initial Coverage	Initial Score		t Score Words	New Words Learned		Time-on-Task				
Edit or delete a grou	ip 👗 j		73.8%	2996	<u>Coverage</u> 74.6%	words	_	18.9	2h 20m	20m	í l		
🗆 🕋 All (139)		-	E (12) da Tami	75.2%	3361	77.9%	7	32 70	22.9	2h 20m	20m		
Class A (28)				74.4%	3361	74.8%	L		22.9	20270	2 im		
Class B (53)		Ono Jiro Nishioka Keiko		71.5%	2890	73.0%	.99.						
🗌 🏠 Class C (30)		Nishioka Keiko Nakamura Aiko		74.4%	3014	74.8%	3128	Current coverage					
🗹 🙀 Class E (12)		Ando Taro		75.2%	3361	77.9%	3521						
🗹 🙀 Class E Ma	Class E Male (3)		Suzuki Risa		3014	74.8%	3128	score					
	Class E Female (9)		Kato Mami		2996	74.6%	3128						
		Meguro Daisuke		73.8%	3014	74.8%	3128						
			Kobayashi Junko 75.2% 3361 77.										
			a Yoko	74.4%	3014	74.8%	3521 3128	114	16.3	2h 06m	18m		
			ida Kayo	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m		
			Miyuki	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m		
		<u> </u>			3361	77.9%	3521	160	22.9	2h 27m	21m	2	
			no Jiro	74.5%	3014	74.8%	3128	114	16.3	2h 06m	18m		
		-	ndo Taro	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m		
			leguro Daisuke	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m		
		Export	to file						1200200		1 200000		

V-Admin 2.0 Monitor												
Basic English	T	OEFL	TO	EIC	С	enter Exa	m					
Create a new grou	· •	Group			Initial Score Current Scor				ds Learned	Time-on-Task		
Edit or delete a grou	up 💥 🛛				<u>Coverage</u>	Words	<u>Coverage</u>	Words	<u>Total</u>	<u>Avg. / Day</u>	<u>Total</u>	<u>Avg. / Day</u>
			E (12)		73.8%	2996	74.6%			18.9	2h 20m	20m
All (139)		2 Yama	da Tami		75.2%	3361	77.9%	3521		22.9	2h 27m	21m
$\Box \Omega R Class A (28)$		Ono J	iro		74.4%	3014	74.8%	3	1	16.3	2h 06m	18m
ere and the second s		R Nishio	Rishioka Keiko						5	15.0	1h 52m	16m
	Class C (30)		🛛 Nakamura Aiko						114	16.3	2h 06m	18m
Class E (12)		Ando Taro							160	22.9	2h 27m	21m
Class E Ma					w wo	ords	lear	ned	114	16.3	2h 06m	18m
Class E Fe	emale (9)	🛛 Kato Mami								18.9	2h 20m	20m
		A Megu	iro Daisuke					114	16.3	2h 06m	18m	
		Robay	Robayashi Junko Sishida Yoko			160	22.9	2h 27m	21m			
		S Ishida			14.4%	3014	/4.8%	3120	114	16.3	2h 06m	18m
		Yoshi	ida Kayo		75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m
	i i	Saito	Miyuki		74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m
	(ass E Male (3	3)	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m
		2 0)no Jiro		74.5%	3014	74.8%	3128	114	16.3	2h 06m	18m
		2 A	ndo Taro		75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m
		Ям	leguro Daisuk	e	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m
		Export	o file						50.	di v		un un

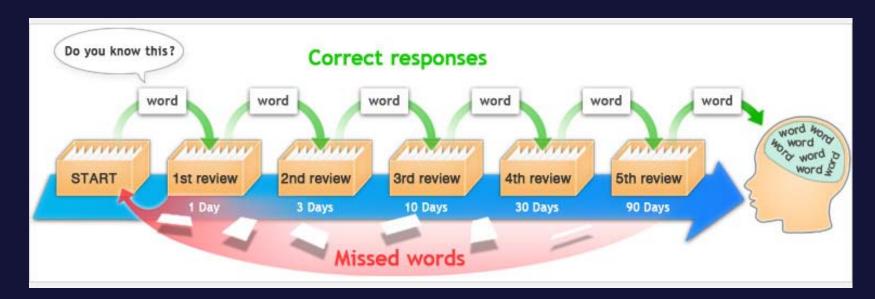
V-Admin 2.0 Monitor													
Basic English	τ¢	OEFL	TOEIC	C	enter Exa	ım							
Create a new group	p 🐴)	Court		Initial	Score	Current	t Score	New Word	ds Learned	Time-(on-Task		
Edit or delete a grou	up 🗶	Group	Group Name / Username		Words	<u>Coverage</u>	Words	<u>Total</u>	<u>Avg. / Day</u>	<u>Total</u>	<u>Avg. / Day</u>		
			E (12)	73.8%	2996	74.6%	3128	132	40-		20m		
🗆 🕡 All (139)		2 Yama	da Tami	75.2%	336 <mark>1</mark>	77.9%	3521	160	22.9		21m		
Class A (28)		Ono J	/iro	74.4%	3014	74.8%	3128	114			18m		
Class B (53)		R Nishio	oka <mark>K</mark> eiko	71.5%									
Class C (30)		Nakamura Aiko		74.4%		18m							
Class E (12)		Ando Taro		75.2%		2h 27m							
Class E Ma		Suzuki Risa		74.4%	1	Time	-	2h 06m	18m				
🗆 💁 Class E Fe	emale (9)			73.8%						2h 20m	20m		
		Q Megu	iro Daisuke	74.4%						2h 06m	18m		
		Kobayashi Junko		75.2%							21m		
			a Yoko	74.4%	JU 14	14.0%	5120	114	10.3	2h 06m	18m		
			ida Kayo	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m		
	ji ji	Saito	Miyuki	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m		
	(ass E Male (3)	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m		
		8 0	Ono Jiro	74.5%	3014	74.8%	3128	114	16.3	2h 06m	18m		
		2 A	ndo Taro	75.2%	3361	77.9%	3521	160	22.9	2h 27m	21m		
		<u> </u>	/leguro Daisuke	74.4%	3014	74.8%	3128	114	16.3	2h 06m	18m		
		Export	o file			d		<u>.</u>	107 X		5		

How much does it cost?

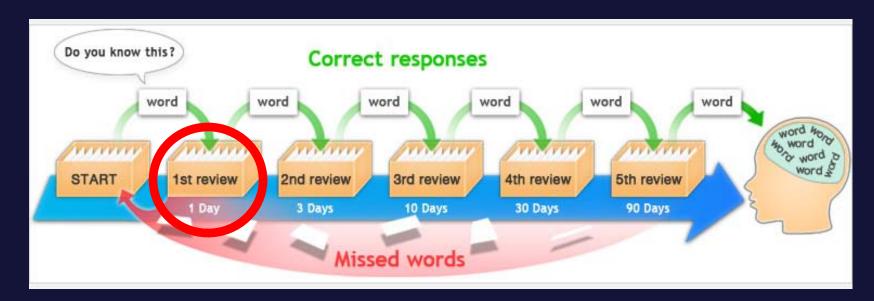
- Students can sign up anytime and take the V-Check ability test free of charge
- V-Admin 2.0 is free for teachers who can register more than 50 students
- Student pay 1000 yen per subject to learn their missing high-frequency words and report their scores and progress to V-Admin
- Each 1000 yen Access Card activates one subject for a period of one year from the date of first use.

Word Engine

How does the Word Engine help students build long-term retention of high-frequency vocabulary words?



Based on the research of Ebbinghaus, Pimsleur, Leitner, and Mondria, the Word Engine **automatically repeats each new word** at spaced time intervals until each learner achieves long-term, instant-recall ability.



The first review comes after 24 hours.



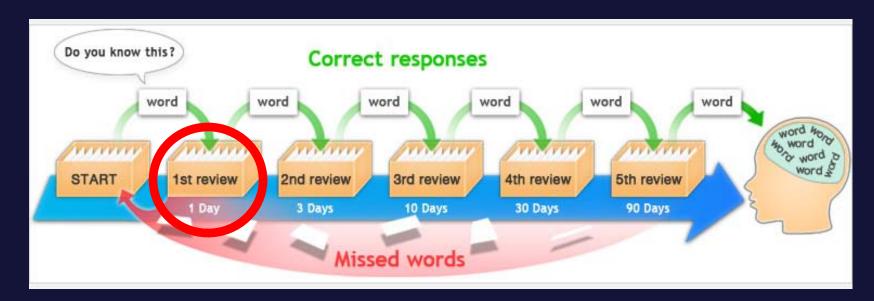
Second review after three days.



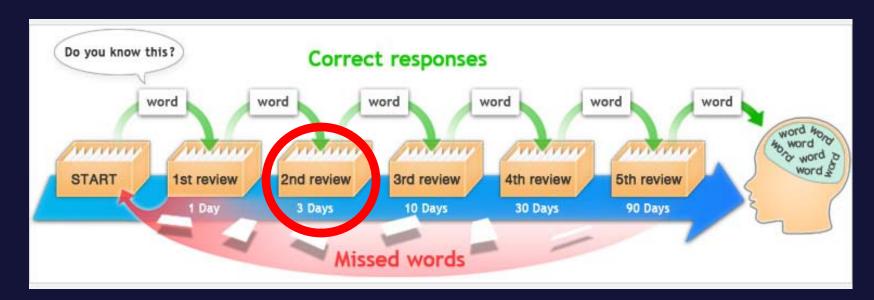
Third review after 10 days.

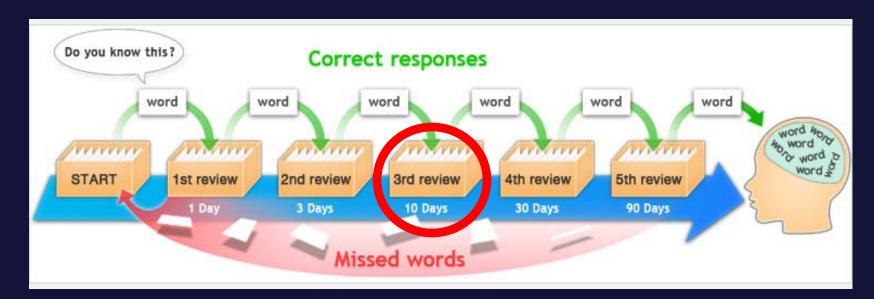


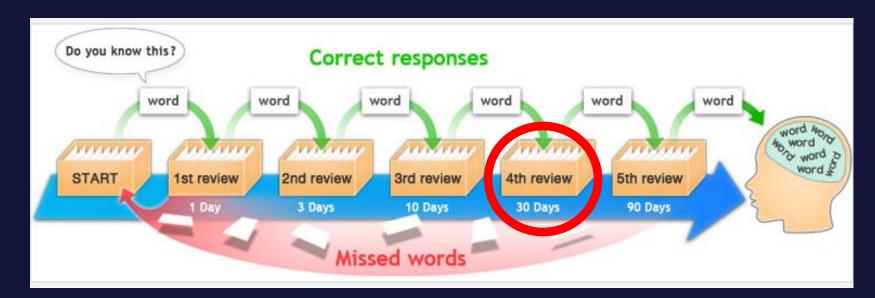
Any missed words go back to the beginning...

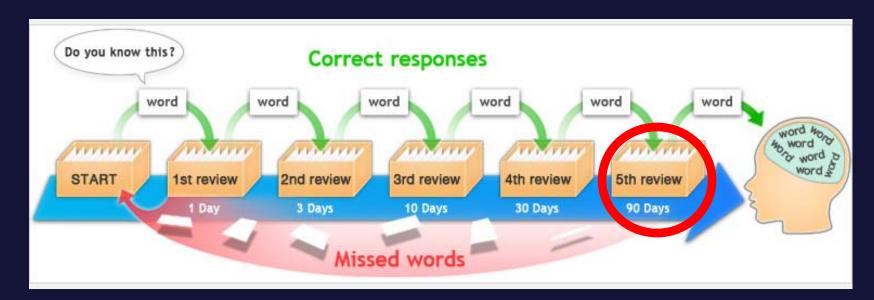


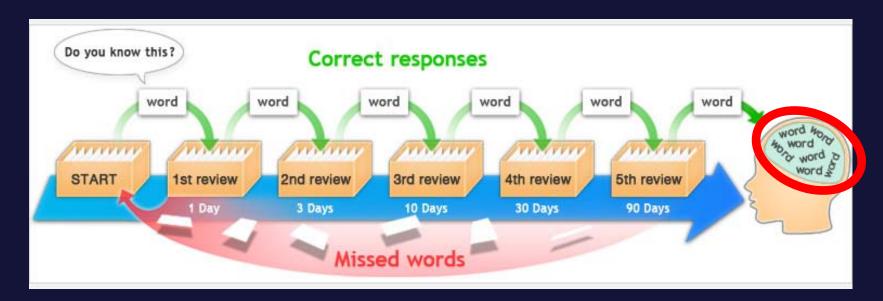
...and start over again.











Acquired vocabulary is retired from the system.

How do we get started with the Word Engine?

- Use the standard Word Engine, or create a custom Word Engine for your school or business with your own logo and choice of subjects.
- Order printed Access Cards, or have students purchase directly online.
- Online payment methods include credit cards, cash payments at convenience stores and wire transfers.

Standard Word Engine



Sponsored Word Engine



Co-Published Word Engine



Contact Us | About Word Engine | Terms of Use | Privacy Policy Copyright © 2008 Lexxica. All rights reserved. International Patents Pending.

Sponsorship Advantages...

- You control which subjects are offered
- Mobile adds a "wow" factor
- High-frequency vocabulary is hot!
- V-Check scores are useful for placement
- Promotes autonomous learning
- Sponsor retains a margin on transactions

Subjects Available

<u>General</u>

Basic English University Basic News Media Classic Literature Advanced English

<u>Exams</u>

Eiken 4 Eiken 3 Eiken Pre-2 Eiken 2 High School Top Universities Center TOEIC TOEIC

Publications

New Horizon Crown Interchange Harry Potter Newsweek The Economist