



Total Words

By Achieve Psychology For Learning

Read to Learn User Guide



■ Curriculum Readers: 800 - 1300 Total Words

Science and Medicine

About this set

Behind great medical breakthroughs were people who could see new possibilities and backed up their ideas with research. These five titles describe the advances in antibiotics, dentistry, cholera, vaccinations and the on-going work to find a cure for malaria.

The five titles include:

1. *Malaria: The Challenge for Scientists*
2. *Saving Our Smiles, Saving Our Bites*
3. *Dr John Snow: The Scientific Thinker of Soho*
4. *Edward Jenner: Scientist, Doctor, Observer and Experimenter*
5. *Penicillin: The Drug That Happened by Chance*

There are six accompanying learning resources for this set:

Comprehension Activities

1. Science and Medicine: Reading for Information
2. Science and Medicine: Remembering Details
3. Science and Medicine: Topic Thinking Skills
4. Science and Medicine: Topic Research Projects

Pre-Teach Activities

5. Sentence Study
6. Word Study

Using The Total Words Library

Total Words digital books and resources are designed to be a flexible and accessible resource for schools and individual readers - with learning features that can be adapted by teachers and caregivers to deliver their lesson and learning objectives. The Total Words library can be used for whole-class lessons, focused small group work and as resources for individual students who require targeted skill-building with their reading.



Motivation



Use Meaningful
Resources

Action



Practice
Reading Skills

Achievement



Show What You
Can Do

Ways to Use Science and Medicine

For	Purpose	What Readers can do	Support Information
Whole Class	Topic reading, introduction to study, research	Read topic details and key words	Whole Class Planning Guide
Groups in Class	Guided reading, reading plus learning resources	Read topic details, key words and complete comprehension, language, memory activities.	Group Planning Guide
Individual Reading Challenge	Individual skill development, increase rate of progress	See how much they can read, how accurately they read, how repeated reading can improve their accuracy.	Individual Reading Challenge
Targeted Skill Development	Extend targeted skills in 4-week Impact programmes	Assess progress in selected skills (speed, amount of reading, accuracy, fluency) practise skills for SATS, recall of information.	Impact Programme
Individual Readers at Home	Extend reading content to be used for projects that can be completed with family.	Read and complete accuracy, creative, challenge and shared projects for students at home.	At Home

Example: Whole Class

Mr Jesson decided to use the Total Words **Science and Medicine** books for a week of guided reading in his Year 5 class. There are five titles in the **Science and Medicine** library set, with a range of supporting activities. Over five days the class can read all five books to gain wide topic knowledge, and Mr Jesson can select the activities that best suit each group.

Class reading group	Monday	Tuesday	Wednesday	Thursday	Friday
Red	Penicillin + <i>Pre-Teach Word Study and Sentence Study</i>	Dr Snow Scientific Thinker of Soho + <i>Pre-Teach Word Study and Sentence Study</i>	Malaria: The Challenge for Scientists + <i>Pre-Teach Word Study and Sentence Study</i>	Edward Jenner + <i>Pre-Teach Word Study and Sentence Study</i>	Saving our Smiles; Saving our Bites + <i>Pre-Teach Word Study and Sentence Study</i>
Blue	Saving our Smiles; Saving our Bites + <i>Reading for Information</i>	Penicillin + <i>Reading for Information</i>	Dr Snow Scientific Thinker of Soho + <i>Reading for Information</i>	Malaria: The Challenge for Scientists + <i>Topic Thinking Skills</i>	Edward Jenner + <i>Topic Thinking Skills</i>
Green	Edward Jenner + <i>Reading for Information and Remembering Details</i>	Saving our Smiles; Saving our Bites + <i>Reading for Information and Remembering Details</i>	Penicillin + <i>Reading for Information and Remembering Details</i>	Dr Snow Scientific Thinker of Soho + <i>Reading for Information and Remembering Details</i>	Malaria: The Challenge for Scientists + <i>Reading for Information and Remembering Details</i>
Yellow	Malaria: The Challenge for Scientists + <i>Reading for Information and Research Projects</i>	Edward Jenner + <i>Reading for Information and Research Projects</i>	Saving our Smiles; Saving our Bites + <i>Reading for Information and Research Projects</i>	Penicillin + <i>Reading for Information and Research Projects</i>	Dr Snow Scientific Thinker of Soho + <i>Reading for Information and Research Projects</i>
Orange	Dr Snow Scientific Thinker of Soho + <i>Pre-Teach Word Study and Sentence Study</i>	Malaria: The Challenge for Scientists + <i>Pre-Teach Word Study and Sentence Study</i>	Edward Jenner + <i>Topic Thinking Skills</i>	Saving our Smiles; Saving our Bites + <i>Topic Thinking Skills</i>	Penicillin + <i>Remembering Details</i>

Example: Group Work

Dolphin Class is studying Science and Medicine. Their class teacher is using the Total Words 'Science and Medicine' books. The class is divided into five groups, with each group to read and report back to the whole class on the information they have read.

Within 20 minutes, the whole class gains knowledge about Science and Medicine. They have access to keywords, the topic is embedded into class discussion and all students can make an informed contribution to the class study.

Group 1	Group 2	Group 3	Group 4	Group 5
<i>Malaria: The Challenge for Scientists</i>	<i>Saving Our Smiles, Saving Our Bites</i>	<i>Dr John Snow: The Scientific Thinker of Soho</i>	<i>Edward Jenner: Scientist, Doctor, Observer and Experimenter</i>	<i>Penicillin: The Drug That Happened by Chance</i>
Key concepts: Varying solutions to a problem	Key concepts: From History to the present - understanding Dentistry	Key concepts: Creative use of scientific observation	Key concepts: Planned study and experimentation	Key concepts: Observation and research to understand antibodies

Individual Reading Challenge

Students can record their daily reading and set personal reading goals to increase their rate of progress.

Example:

Book Titles (numbered):

1. Malaria: The Challenge for Scientists
2. Saving Our Smiles, Saving Our Bites
3. Dr John Snow: The Scientific Thinker of Soho
4. Edward Jenner: Scientist, Doctor, Observer and Experimenter
5. Penicillin: The Drug That Happened by Chance

Students record their daily reading (their total words read) on this chart and set goals for themselves.

	Book Number	Number of words read	Number of words prompted	Number of words read correctly
Monday	5	1103	30	1073
Tuesday				
Wednesday				
Thursday				
Friday				
Total				

Total Words Reading Challenge Record

	Book Number	Number of words read	Number of words prompted	Number of words read correctly
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				
Total				

At Home

The 'At Home' range of additional resources included in the Total Words Library is designed for readers to extend the range of ways they engage with books with family members.

Targeted Skill Development: Impact Programmes

Impact programmes are for students who can read but don't read, for reluctant readers and students who have established basic reading skills but need to extend these to become competent, fluent readers.

Impact programmes are designed for students to increase skills in reading rapidly, recalling details, reading fluently and for students to increase the amount they read daily and to prepare for SATs.

The Total Words approach encourages teachers and students to work in partnership through readers being supported to challenge themselves, through the use of clear daily progress data and through success-only learning. A range of recording sheets are used in our Impact Programmes (these can be printed from the back of this guide).

Impact Programmes for Enhanced Reading Skills:

1. Reading Speed
2. Reading Mileage Challenge
3. Reading Accuracy
4. Reading Fluency for an Audience
5. SATS Impact
6. Read and Recall

Impact Programmes: Information

Reading is more than words. Impact programmes are for children who are moving on from acquiring reading skills to using reading skills to become competent readers.

The programmes are for children who need to increase their reading speed, skill in recall, accuracy, fluency and for children who need to increase the amount of reading they can do in a day. Our SATs Impact Programme is designed to give students practice in efficiently finding details in unfamiliar texts.

Impact programmes motivate children to read more and to read more effectively. Children can set their own goals and record daily and weekly progress.

Impact programmes use our Challenge and Curriculum range of books with selected activities. The programmes are used for individual students, delivered in daily sessions of 15-20 minutes, over a period of 3-4 weeks.

Programme Descriptions:

Reading Speed

By Year 6, children are expected to read 100-150 words per minute. Reading slowly can become a habit that hinders progress. From an initial baseline measure, increases in reading speed can be assessed over successive practices in reading texts.

Reading Mileage Challenge

Students challenge themselves to increase the amount of daily reading that they complete using the word counts in Total Words books as a clear measure of the amount of reading that is being done.

Reading Accuracy

Many children continue to read with less than 100% accuracy and so consistently read with word-stumbling delays. For an adult, reading at 99% accuracy would be the equivalent of stopping to figure out three words on every page of a novel. This impact programme, allows students to consistently practise reading with 100% accuracy.

Reading Fluency for an Audience

Fluency is a combination of accuracy, pace, phrasing and expression. More subjective than other measures of reading skill, reading fluency for an audience can be increased with practice that focuses on the specific skills required for reading competently for an audience.

SATs Impact

Students completing SATS exams need to read at speed and find information quickly. With daily practice in reading a Challenge or Curriculum book and completing the 'Finding Details' activity, students gain confidence in reading texts and efficiently finding information details.

Read and Recall

Being able to read words and understand content at the same time can require some practice. Reading a book combined with recalling three details gives students practice in paying attention to the content while they read text.

Record Forms for Impact Programmes

(printable)

Total Words Record of Reading Speed

Student Name:

Book title:

Number of words in the book:

	Minutes Taken To Read the Book	Reading Speed: words per minute (number of words ÷ minutes)
Baseline Practice 1		
Practice 2		
Practice 3		
Increase in speed from ____ words per minute to ____ words per minute.		

Total Words Record of Reading Mileage

Name: _____

Number of Words Read:							
	Monday	Tuesday	Wednesday	Thursday	Friday	Total Words For the Week	Average Words Per Day: Total ÷ 5
Week 1							
Week 2							
Week 3							
Week 4							

Total Words Record of Reading Accuracy

Name: _____

Number of Words in the Book:			
	Errors Made Less than 20	Errors Made Less than 10	Errors Made Less than 5
Practice 1			100%
Practice 2			
Practice 3			

Total Words Record of Reading Fluency

Name: _____

Book Title:	
Number of Words in the Book:	
Word Accuracy /5	
Speed /5	
Responding to Punctuation /5	
Volume and expression /5	
Practice 1	
Practice 2	
Practice 3	

Total Words SATs Impact Record

Name: _____

	Date	Book Title	Comprehension Questions Completed	Number of Words Read	How long did it take to read the book?
Monday					≤10 10-15mins 15 mins+
Tuesday					≤10 10-15mins 15 mins+
Wednesday					≤10 10-15mins 15 mins+
Thursday					≤10 10-15mins 15 mins+
Friday					≤10 10-15mins 15 mins+

Total number of words read this week: _____

Average time taken to read a book: _____

Total Words Record of Read and Recall

Name: _____

Number of Words in Book	Impact Sessions	Book Read with Speed and accuracy (80-100 words per minute + less than 5 errors)	Details recalled accurately and within 3 minutes	How many details have I remembered from yesterday's book?
	Day 1			
	Day 2			
	Day 3			
	Day 4			
	Day 5			

Total Words Reading: What Matters

Reading matters. Reading is more than saying words; it is information, ideas, sharing knowledge, feeling excitement, accomplishment, intellectual and emotional meaning.

For Total Words, this is what makes reading matter.

1. Total Words Matter

Reading a high number of words each day, reading books cover-to-cover, reading books that have scope for learning.

2. Access to Knowledge

Total Words reading books are designed so that all students can access information through reading and can help and be helped by peers reading the same range of books.

3. Reading is Thinking

Total Words additional support material prompts students to find details in the text, to think about content, and talk about and share information that has been read. Our learning activities require students to read and re-read text, giving them more word-reading practices, great for effective learning and consolidating ideas into knowledge

4. Wellbeing

We want pupils to enjoy reading and to read relevant, meaningful books. We provide reading resources that support intellectual well-being, emotional and ethical wellbeing through factual stories about topics and events, told with a human interest perspective.

5. Learning Partnerships

Adults support students to be self-motivated and to understand the connection between reading practice and progress that can be made in their skills.

**Learn to Read.
Read to Learn.**