The goal in fluency instruction is not fast reading, although that happens to be a by-product of the instruction, but fluent meaning-filled reading (Rasinski, International Reading Association, 2002, p.5).

What is fluency?
Fluency is the ability to read text accurately, quickly and with expression. It occurs without conscious effort when all the component skills of reading are in place so the reader can focus on the meaning of a text. Fluent readers can maintain their skill over very long periods of time and can generalise across texts.

Why fluency matters
The achievement of oral reading fluency marks an important point in a student’s reading journey. It reinforces the relationship between ‘learning to read’ and ‘reading to learn’: it is the mastery of the component skills of reading to a point where attention and cognitive energy can be directed towards gaining meaning.

The core components of fluency
Accuracy
Accuracy is the first requirement in achieving fluency.

Inaccurate word reading will logically lead to a breakdown in meaning. Reading will not be accurate unless the sub-skills of reading are secure.

It is impossible to be fluent if the reader is continually stopping to work out what a word is, therefore fluent readers have moved beyond the decoding stage and are accurately reading whole words. A fluent reader has a vast store of words that are immediately recognised, and can be accessed in different contexts. These words constitute the reader’s ‘sight vocabulary’. This term does not just refer to those irregular high frequency...
words like said and put, but to all those words that are immediately recognised. Even words that originally had to be decoded, but which can now be recognised on sight, for example, distinguish or misrepresentation, become part of the reader’s sight vocabulary or mental dictionary (lexicon) of words. This also requires that the reader knows the meaning of the words and that they have become part of the reader’s receptive vocabulary.

The greater the number of words that are understood and recognised on sight, the greater the range of accessible texts. For this reason, developing children’s receptive vocabularies and number of words that can be immediately recognised are some of the best ways to develop both fluency and reading comprehension.

Of course, even highly competent readers will not be fluent when the text material contains many unfamiliar or technical words that are beyond the reader’s knowledge base and are not part of that reader’s mental lexicon. Fluency demands that the text is at the reader’s independent reading level (Allington et al, 2015). This is why beginning and struggling readers need simple texts at their independent level to build speed and confidence (Allington, 2013). Home readers should fit into this category. Some parents want ‘harder’ books because their child can already read those being sent home. Yet those books provide children with opportunities to develop appropriate expression, practise chunking and pausing and, most importantly, build confidence and belief in themselves as readers.

Rapid rate of reading

The rate at which readers can access connected text has been found to be almost as important as word reading accuracy (Kuhn & Stahl, 2013) and is strongly correlated with reading comprehension (Fuchs et al, 2001; Pikulski & Chard, 2005; Rasinski, 2006). When a reader is both accurate and rapid, it means that the word identification processes have become automated—they no longer require conscious attention. This frees cognitive space for higher order comprehension processes.

There is, however, cause for caution when discussing this point. Because a rapid reading rate is one of the key indicators of fluency, some people confuse rate with reading comprehension (Fuchs et al, 2001; Pikulski & Chard, 2005; Rasinski, 2006). When a reader is both accurate and rapid, it means that the word identification processes have become automated—they no longer require conscious attention. This frees cognitive space for higher order comprehension processes.

Concentrating on developing more rapid reading can, if not handled well, result in students believing that speed is the ultimate goal. Students can become faster readers without the corresponding improvements in comprehension (Rasinski, 2006). Many teachers will attest to the fact that some students can read very quickly without a clear understanding of the text material. The fact that reading rate is easily measured, and is often used as the only measure of this important aspect of reading, further complicates the issue.

Building students’ reading rates is important, but not at the expense of comprehension (Marcell, 2011).

Prosody

Prosody is the third core element of fluency. It is defined as reading with expression, and is often the forgotten component of reading fluency. It is certainly not assessed as regularly or as easily as reading accuracy and rate.

Prosody involves appropriate phrasing, stress, pitch and rhythm. Prosody is essential to make oral reading meaningful: it is critical for reading stories aloud and for other oral reading presentations, such as poetry reading or ‘Readers’ Theatre’ (Rasinski et al, 2008; Young & Rasinski, 2009; Rasinski et al, 2011).

Several researchers (Benjamin & Schwanenflugel, 2010; Kuhn et al, 2010) found that prosody predicts a child’s reading comprehension skills. Poor prosody can lead to confusion by reading inappropriate word groupings and with incorrect application of expression (Hudson et al, 2005). Prosody also has an impact on readers’ interest and motivation to read (Rasinski et al, 2009); it makes oral reading ‘come alive’ and reflects the author’s message more accurately and more meaningfully.

Average rates of reading in the primary years

The table below provides guidelines for average rates of reading development in the primary years. The rate required for basic comprehension is around 90–100 words per minute, a rate usually achieved around the end of Year 2. At this stage, children should be able to read and understand simple text (Armbruster et al, 2001). For typically developing students, increasing rates of reading in the secondary years will continue and the best readers will reach several hundreds of words per minute if they continue to read widely.

<table>
<thead>
<tr>
<th>Average rates of reading in the primary years</th>
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<tbody>
<tr>
<td>By end Year 1</td>
</tr>
<tr>
<td>By end Year 2</td>
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<tr>
<td>In Years 3–6</td>
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</table>
Assessment of fluency

Teachers should assess fluency regularly in addition to other important elements of reading (Hasbrouck & Tindal, 2006). Tracking children’s words correct per minute (WCPM) throughout the year provides a clear record of their reading progress in terms of accuracy and rate. Because expression in reading is difficult to quantify, checklists and assessment rubrics have been developed to assess this component of fluency. One such rubric, the ‘Multidimensional fluency scale’ provides a simple way of assessing reading rate and appears below.

Calculating words correct per minute (WCPM)

Follow these steps:
- Select three passages of grade level material if assessing comparative fluency.
- Students read each passage aloud for exactly one minute.
- Count the total number of words read in each passage. Calculate the average number of words read per minute.
- Count the number of errors in each passage. Calculate the average number of errors per minute.
- Subtract the average number of errors from the average number of words. This is the average number of words correct per minute (WCPM).

Multidimensional fluency scale

The following scales rate reader fluency on the dimensions of expression and volume, phrasing, smoothness and pace. Scores range from 4 to 16. Generally, scores below 8 indicate that fluency may be a concern. Scores of 8 or above indicate that the student is making good progress in fluency.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A Expression and volume</strong></td>
<td>Reads with little expression or enthusiasm in voice. Reads words as if simply to get them out. Little sense of trying to make text sound like natural language. Tends to read in a quiet voice.</td>
<td>Some expression. Beginning to use voice to make text sound like natural language in some areas of the text, but not others. Focus remains largely on saying the words. Still reads in a quiet voice.</td>
<td>Sounds like natural language throughout most of the passage. Occasionally reverts to expressionless reading. Voice volume is generally appropriate throughout the text.</td>
<td>Reads with good expression and enthusiasm throughout the text. Sounds like natural language. The reader is able to vary expression and volume to match his/her interpretation of the passage.</td>
</tr>
<tr>
<td><strong>B Phrasing</strong></td>
<td>Monotonic with little sense of phrase boundaries, frequent word-by-word reading.</td>
<td>Frequent two- and three-word phrases giving the impression of choppy reading; improper stress and intonation that fail to mark ends of sentences and clauses.</td>
<td>Mixture of run-ons, mid-sentence pauses for breath, and possibly some choppiness; reasonable stress/intonation.</td>
<td>Generally well phrased, mostly in clause and sentence units, with adequate attention to expression.</td>
</tr>
<tr>
<td><strong>C Smoothness</strong></td>
<td>Frequent extended pauses, hesitations, false starts, sound-outs, repetitions, and/or multiple attempts.</td>
<td>Several ‘rough spots’ in text where extended pauses, hesitations, etc, are more frequent and disruptive.</td>
<td>Occasional breaks in smoothness caused by difficulties with specific words and/or structures.</td>
<td>Generally smooth reading with some breaks, but word and structure difficulties are resolved quickly, usually through self-correction.</td>
</tr>
<tr>
<td><strong>D Pace</strong></td>
<td>Slow and laborious.</td>
<td>Moderately slow.</td>
<td>Uneven mixture of fast and slow reading.</td>
<td>Consistently conversational.</td>
</tr>
</tbody>
</table>

Adapted from Zutell & Rasinski (1991)
Strategies to develop fluency

Modelling of fluency in ‘read alouds’

One of the best ways that teachers can help build the desire for fluent reading in students is to read engaging and motivating stories aloud, so the students experience the excitement and pleasure that fluent reading provides. Adding sound effects, individual voices for different characters, dramatic pauses and emphasis on particular words will heighten children’s engagement.

‘By listening to good models of fluent reading, students learn how a reader’s voice can help written text make sense’ (Texas Education Agency, 2015).

Repeated readings

Repeated reading of text provides the rehearsal required to build accuracy, speed and confidence, and was one of the major recommendations of the National Reading Panel (NRP) to develop fluency (Schreiber, 1980).

A typical way of conducting this is with pairs of students, with the more fluent reader modelling the appropriate rate and intonation to a weaker reader who then repeats the passage. This process is repeated three or four times. If the material is at the less able reader’s independent level, by the third or fourth repetition the two readers should sound very much the same.

Short passages of 50–250 words are preferred so less able readers can hold within their working memory the pattern of the fluent reading modelled for them. Poems and even jokes can be useful texts for these activities.

Echo reading

The two readers read the text together, but, because of the greater skill level, the better reader will usually be fractionally ahead of the less able reader, modelling accuracy, rate and intonation. As the weaker reader gains confidence, they will blend together. If the less able reader falters, he can follow along and join in again when able to. Echo reading can be used with sections of storybooks, poems, and non-fiction books.

Paired reading

Both partners read the text together, the more able partner gradually fading out as the less able reader gains confidence, and joining in again for support where necessary.

Letter fluency exercises

Fluency emerges from automatic recognition of words and word parts, and this includes letter sounds. ‘Fluency cards’ that have lines of single letters and common letter combinations can assist students to build automaticity. The competitive notion of time trials, where students try to improve on their PB (‘Personal Best’ or previous score), often appeal to students as long as these activities afford them a good measure of success. Teachers can make their own cards using the particular letter combinations that are the focus of instruction.

Sight word building through word wall activities

One way to increase fluency is to recognise more words by sight. High frequency irregular words and words associated with class themes are good sources of words. Word wall activities, such as timed ‘races’ around the wall, will build automatic recognition of words that will assist fluency.

Explicit teaching of punctuation

Students may need explicit instruction in how to read punctuation. Most students, although they know how to punctuate their writing, have no idea how to read punctuation in other people’s writing.

Choral reading

Whole class reading of short pieces of dialogue or dramatic sentences following a fluent and engaging model is a low risk activity to build fluency in lower ability readers. After the teacher reads a short paragraph orally, teacher and students then read the same passage in unison. Practising how to chunk words in phrases, adjust rate and volume for emphasis, and use pause for effect, builds skill and confidence in less fluent readers.
Poetry reading

Exciting or humorous poems are perfect fluency exercises. Poetry assists reading fluency because it has a natural rhythm when read aloud. Phrases written onto sentence strips can serve as cue cards to show students how good readers cluster portions of text rather than saying each word separately. The exercise is even better if the students are able to present the well-practised poem to another class or school assembly.

Song reading

Older students often enjoy reading song lyrics rather than poems. Song lyrics are easily accessed on the web, although the content needs to be assessed for appropriate language and level of difficulty. Students can read and re-read in pairs and eventually present to the class or to another class to provide a legitimate audience.

Reader’s Theatre

In Reader’s Theatre, students read aloud from a script. Unlike regular theatre, there are no costumes or memorisation. The focus is on interpreting the text with the voice.

Students are encouraged to bring the story to life and to practise their part until they can read it smoothly and with expression. There are many websites that have Reader’s Theatre scripts to download.

Dialogues and monologues from plays

Short scenes or monologues from plays can be used for fluency practice, as they have inherent dramatic qualities that demand attention to prosody.

Partner reading

Students pair up with someone at the same reading level and read for one minute while their partner takes a simplified version of a running record. Then they record their words correct per minute each day.

Partner reading with graphing

Students re-read a selected passage of about 100 words until they reach a predetermined rate. Content could be taken from high interest materials, such as surfing or BMX magazines. Students time each other. If the re-readings are conducted every day, the students should have a chance to practise by themselves a few times before being timed to ensure maintenance of progress. As reading times improve, longer passages could be used. Graphing their score on successive readings provides a visual record of progress and is very motivating. As long as this is only one of many fluency-building exercises, students should understand that speed is only one aspect of fluency.

Read along books with CD

Many popular children’s books come with CDs so children can listen while following along in the book. Parents, volunteers or older buddy readers could also record favourite stories.

Wide independent reading

Wide independent reading is what struggling readers will avoid doing, yet it is the most potent way to develop fluency and confidence.

Students who read well, read more. Short decodable texts, such as the Rigby or Dandelion series, are very useful for children who are just beginning their reading journey, as they provide opportunities for the rehearsal and practice required to build fluency. The Talisman series is aimed at the interests of older students, but the stories contain mostly decodable words that provide practice for older readers.

Storybooks and novels have not been constructed around specific letter-sound combinations and will not be accessible for beginning or struggling readers. Halting reading of a storybook or novel will not build confidence and fluency. The caveat is, of course, that these students still need to have vivid and exciting stories read to them, as well as opportunities to read them as soon as they are able. Nevertheless, insisting that high quality literature is the only source of reading material that should be accessed by all readers reflects a lack of understanding of the differences between a novice learning to read, and an accomplished reader.

‘The fluent reader sounds good, is easy to listen to, and reads with enough expression to help the listener understand and enjoy the material’ (Clark, 1999).
Further information

Associate Professor Deslea Konza has also prepared a series of clips on each of the ‘Big Six’ components of reading for the Australian Primary Principals Association:

- An introduction to the teaching of reading
- Oral language
- Phonological awareness
- Phonics
- Vocabulary
- Fluency
- Comprehension.

Clips available at https://www.youtube.com/playlist?list=PL0YAmB9RzlMy20KIMcWUfFoZBgLd3MppA


Anne Bayetto, Lecturer, School of Education, Flinders University has also published The BIG 6 of Reading articles for the Australian Primary Principals Association, accessed at http://www.appa.asn.au/publications/principals-as-literacy-leaders/. Fluency article.


1.0 The ‘Big Six’ components of reading
1.1 Oral language
1.2 Phonological awareness
1.3 Phonics
1.4 Vocabulary
1.5 Fluency
1.6 Comprehension.

References


Clark C (1999) Building fluency: Do it right and do it well, Teacher-to-Teacher Initiative Summer Workshop


This paper is part of the DECD Leading Learning Improvement Best advice series, which aims to provide leaders with the research and resource tools to lead learning improvement across learning areas within their site.

Produced by the Department for Education and Child Development

1.5 SEPTEMBER 2016


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