

Research Article

An investigation into the impact of vocabulary retrieval practice as a method of formative assessment in a Latin AS-level unseen translation context

Caitlin Casselman

Department of Classics, Liverpool College, Liverpool, UK

Abstract

Unseen translation forms a central part of assessment and teaching both in the Latin GCSE and A Level. Developing skills for the unseen translation presents several challenges for the classroom teacher; unseens can be introduced using a scaffolded approach, yet pupils must learn to develop independence for the examination. Unseens can often take an entire lesson, or more to translate, precluding the opportunity for meaningful, immediate feedback. Furthermore, classes of mixed-ability students often suffer from staggered completion rates and unequal attention being divided among students. Within the curriculum, unseen classes can additionally suffer from feeling severed from the specification as passages contain unfamiliar material, the content is discrete from the set texts, and lack of an overarching framework for approaching unseens can make them feel irrelevant to pupils. Therefore, striking a balance between productive support for in-class unseen translation practice and nurturing pupil confidence requires a clear strategy. This article investigates the effect of two methods of formative assessment used in preparation for an unseen translation lesson with a year 12 class. Reflecting on the results of the investigation, this article discusses the opportunities different tasks may afford the Latin teacher for developing a vocabulary curriculum that supports long-term retention of vocabulary, increases the efficiency of unseen classes, and allows the unseen passage to be received as part of a wider framework of learning.

Keywords: unseen, vocabulary, translation, formative assessment, retrieval

Introduction

This investigation took place in a mixed selective state grammar school in the northwest of England for ages 11–18. The school roll was 1,249 in 2022, with the sixth form representing approximately 28% of pupils. This same year, the school was rated 'good' by Ofsted, and it was noted that teaching staff and leaders have high expectations of what pupils can achieve, but lack of emphasis on reading was detailed as a weakness. In 2023, 58% of all pupils at GCSE achieved grades 9/8, with 8 being the average grade. In the sixth form, 86.6% of all grades were A*-B. The school caters for a range of socio-economic backgrounds, but due to the selective nature of the school, pupils are highly self-motivated and value their education which is reflected in high attendance and the lack of disruption to classes by poor behaviour.

Pupils begin learning Latin in Year 8 and select their GCSE options in Year 9. This means that all teaching from Year 9 onwards focuses on the GCSE syllabus. The school offers Latin, which must be taken in tandem with either Spanish or French, but Classical Civilisation is not offered. In the sixth form, Latin is likewise

offered and may be taken without French or Spanish, but Classical Civilisation is not. Latin is viewed to be more challenging for pupils, but lack of subject specialist staff also contributes to the decision only to offer Latin.

Since 2019, 60% of the pupils in the A Level Latin cohorts have achieved A/A* grades. Latin is consistently the highest performing subject in the school. It is within this context that I undertook a structured investigation into the effect of vocabulary retrieval in a Year 12 Latin classroom.

Literature review

Research into formative assessment formed the basis of this investigation. The seminal study *Inside the Black Box* (Black and Wiliam, 1998) found that 'significant learning gains' are possible through the implementation of formative assessment whereby the 'effect size' on performance by introducing learning innovations for adaptive teaching was between 0.4–0.7 (Black and Wiliam, 1998, 4). This can be quantified into a difference of between 1–2 grades at GCSE. However, poor examples of practice, such as lack of guidance in feedback about how to improve and techniques that encourage 'rote and superficial learning', had non-positive long-term effects. Subsequent research has provided guidance for incorporating formative assessment into class time, such as beginning each lesson with a short review task, further weekly and monthly review, and

Author for correspondence: Caitlin Casselman; Email: c.dawncasselman@gmail.com

Cite this article: Casselman C (2024). An investigation into the impact of vocabulary retrieval practice as a method of formative assessment in a Latin AS-level unseen translation context. *The Journal of Classics Teaching* 25, 123–128. <https://doi.org/10.1017/S2058631024000692>

asking a plenitude of questions that require every pupil to respond (Rosenshine, 2012, 12).

In the Latin classroom that provided the context for my study, Rosenshine's (2012) principles were thoroughly embedded into the lesson routines, with pupils across all year groups trained to expect an oral review starter at the beginning of each lesson, and two weekly low-stakes tests. As outlined by Rosenshine (2012), I observed that the regularity and consistency of these formative assessments enabled vocabulary and grammar principles to be retained long-term and helped to connect ideas across topics (Rosenshine, 2012, 19). For example, after reviewing the perfect passive, pupils could see patterns emerging in a lesson on the pluperfect passive. Well-connected ideas developed student understanding of new topics, and allowed pupils to perform consistently even when formative assessment was performed *ad hoc*, for example through cold-calling (e.g. 'and how did we form the pluperfect active?'), or an unanticipated plenary at the end of a lesson.

Partly in response to Black and Wiliam (1998) and Rosenshine (2012), specific studies have been conducted in the field of Modern Languages teaching to make formative assessment impactful, meaningful, and its effect long-lasting (Conti and Smith, 2021, 83). As course books only provide roughly half of the necessary input for language learning (Nation, 2013, 46), it is important to provide pupils with an opportunity for focusing on learning high-frequency words via production of the TL and targeted practice. For example, open questions with sentence starters such as 'do you agree...' or 'how can we improve X...' were found to result in longer answers being given than previously, more pupils self-selecting to answer, and a broader range of answers (Black and Jones, 2006, 6). Metacognitive reflection was also shown to produce desirable outcomes, particularly peer and self-assessment which provided pupils with a rationale for the correct answers by allowing them to focus on criteria and assimilate mark schemes into their thinking (Black and Jones, 2006, 8–9). While effective in the short-term, these outcomes took place at the level of classwork and do not reflect the effect of performance in long-term summative assessment. More recent studies have gone further.

The 2014 edited volume *Make it Stick: The Science of Successful Learning* (Brown *et al.*, 2014) focuses on effortful retrieval practice through regular low-stakes quizzing (Brown *et al.*, 2014, 15–16) to improve knowledge retention. The frequency and variation of such testing will reduce the phenomena of pre-exam 'cramming' (Brown *et al.*, 2014, 63). Further, problem solving, and 'desirable difficulty' (Brown *et al.*, 2014, 90–92) can help pupils to deep process information. I have used this in my own classrooms when teaching the difference between the use of *ne* in fearing clauses and purposes clauses. Engagement with the question of how *ne* is used differently in each construction was high and pupils guided themselves towards the answer. Subsequently, no pupils confused the constructions in the plenary where they were asked to identify positive and negative constructions in fearing clauses. Carefully selecting problems for pupils to solve before giving them the answer has the added benefit of being practical to implement in the classroom through peer-discussion and questioning.

Other examples of good practice are repeated, specific retrieval with multiple-choice questions (MCQs) being an effective way to make inferences about a pupil's understanding (Christodoulou and Wiliam, 2017, 164–165). In *Making Good Progress: The Future of Assessment for Learning* Christodoulou and Wiliam take a reparative approach to the much-maligned use of MCQs. In their example, an MCQ about totalitarianism under Hitler and Stalin

that allowed pupils to choose between four simple options allowed teachers to highlight student misunderstanding quickly, based on incorrect answers. While MCQs should not replace extended written assessment, they are an efficient tool for quick and responsive adaptive teaching due to their low time cost and the ability to easily observe results.

MCQs for low stakes testing could be usefully applied to Latin morphology tests, for example, instead of giving pupils the infinitive of a verb and asking them simply to translate it into English, the test could consist of a different form, for example the future participle (e.g., *amaturus*). Pupils would then select the correct translations (e.g., a. about to love, b. worthy of love, c. having been loved, d. being loving), allowing teachers to quickly identify errors in understanding words in context rather than only testing superficial memorisation of meanings, a problem that particularly affects the teaching of Classical languages (Hunt, 2022, 14). If a student answered *c* or *d*, for example, teachers may easily infer that the student has forgotten that future participles cannot be passive. This mistake can be easily addressed by immediate feedback, whereas a mistranslation of *amare* would only demonstrate a retrieval error. The same could be done for nouns, for example instead of asking pupils to translate *rex, regis* as 'king', use *regum* providing a. of the king, b. of the kings, c. by the king, d. for the kings. This would allow teachers to notice case and number errors.

While historically there has been a *cordon sanitaire* between Modern Languages pedagogy and the teaching of Classical languages, recent research has sought to bridge this gap and employ the techniques used in Modern Languages teaching (Patrick, 2015, 108). Traditionally, formative assessment in Latin has centred around identifying and explaining grammar constructions. However, through targeted teaching of vocabulary that focuses on comprehension rather than grammar drills, such as those used in French and Spanish, Latin is made more understandable to pupils as rendering syntax becomes meaning-focused. This helps to overcome barriers experienced by other learners of a second language, such as the phonological loop (how long it takes to pronounce something), which have an impact on cognitive load (Conti and Smith, 2021, 83). Not knowing how to pronounce something creates extraneous cognitive load as too much time is spent problem-solving over new schema formation (Shibli and West, 2018). Pre-teaching vocabulary would therefore help to scaffold the higher-level translation task and allow pupils to work through language above their level as per Bailey's desirable targets (Bailey, 2021, 33) but with independence (Shibli and West, 2018; 'without necessarily needing the help of their teacher for each stage').

There is comparatively little research in the field of classics for implementing such techniques in the classroom. Classical languages present their own set of challenges that mean the results of the above studies are not always valid for classical languages. For example, Latin (and Ancient Greek) are non-spoken languages, and all summative assessment is therefore either reading and translating into English, or composing into Latin from English, with a primary focus on the former (Hunt, 2022). Historically, the key approaches to teaching Latin are implicit learning as exemplified by the *Cambridge Latin Course*, where continuous reading leads to mastery, or the more traditional method of grammar drills (Gay, 2003, 76). In my context school, the grammar approach has been predominantly adopted due to the time constraints of Latin only being introduced on a staggered basis in Year 8.

For pupils facing an unseen translation for the first time, the 'fear factor' has been identified as a barrier to learning (Gall, 2020,

11) as unfamiliar syntax prevents recall of meaning, even when confronted with familiar vocabulary. Embedded readings (Gall, 2020, 13–14), where the teacher provides three or more scaffolded versions of the text (e.g., translations with only missing words) did help improve pupils' confidence in translating. However, this process is extremely time-consuming for the teacher. In Gall's (2020) study, the teacher replaced all *oratio obliqua* with direct speech, before presenting the target text. For focused unseen practice done on a regular basis (i.e., weekly) this may be unfeasible as a pre-teaching method. The method was deemed most suitable for set texts, where frequent, graded encounters with the text aided memory pertinent to the exam. Gall (2020) therefore concludes regarding unseens: 'I think I should have placed more focus on memorising the key vocabulary, which was glossed in each version, as both pupils consistently relied on the glosses' (Gall, 2020, 17–18). This caused me to think about a method of formative assessment that would support implicit teaching of vocabulary for approaching an unseen, with a greater economy of time for the teacher than Gall (2020) achieved with embedded readings.

To anticipate which words would be most lexically challenging for pupils, I considered the following factors: word length, word frequency, lexical sophistication, lexical density, and lexical variation (Gruber-Miller and Mulligan, 2022, 83–84). Words longer than six letters, and with a density falling short of 59% were the most lexically challenging. This provides a quantitative approach for identifying difficult vocabulary, rather than relying on anecdotal intuition and can be implemented using easy to access word frequency tools such as *Perseus*. Nonetheless, the phonological similarity effect should also be considered for commonly confused words (Warwicker, 2019, 4); thus teachers should not rely solely on the datasets of Gruber-Miller and Mulligan (2022). Finally, without knowing 95–98% of words in the text, meaning will be significantly impeded therefore vocabulary acquisition is a priority for learning.

Three desirable outcomes have been identified as targets for adaptive teaching in Latin (Bailey, 2021, 45): (a) ability to sight-read familiar texts, (b) ability to read specific target texts, and (c) ability to interact and respond to texts above one's reading level. A particularly effective method for reaching these goals is 'to identify in advance the elements of the text likely to present the greatest difficulty', particularly morphology (Bailey, 2021, 33). The teacher should provide a 'focused input' task (Bailey, 2021, 35–36) as a form of formative assessment to address these elements of the text and make target morphology learning more focused (fewer extraneous variables) and more varied (in several contexts).

Furthermore, a focus on completing translations in classical languages pedagogy leaves little time for reflection on the process of translation, which has been shown to increase accuracy and analytical skills (Praet and Verhelst, 2020, 31–33). Leaving time after the completion of a translation for comparing answers, evaluating the best renderings, and systematic feedback as a class allows for productive reflection that not only prepares pupils for independence but reviews the material to embed understanding (Rosenshine, 2012, 13).

Pupils reported that they used the app *memrise* to learn the vocabulary list. One study has investigated the benefits of using *memrise* in classical language learning and suggests that it has a positive impact on intrinsic motivation, meta-learning, and improves performance on vocabulary tests (Walker, 2015, 19). Computer-aided learning is often reported as the main method of study for pupils and has the benefit of supporting rote learning, though surveys of pupils feelings towards apps to learn vocabulary show that the extrinsic motivation provided by the app is not

enough to keep pupils practising regularly when there is no scheduled test in school (Walker, 2015, 9). Pupils in the context school reported using *memrise* in pre-A Level years, but the sixth form had begun using *anki* as they preferred the control and personalisation made possible by the *ankiweb* software.

The main themes that emerge from this literature review are that formative assessment that gathers diagnostic data from the whole class is essential for positive learning outcomes (Black and Wiliam, 1998; Brown *et al.*, 2014; Conti and Smith, 2021; Nation, 2013; Rosenshine, 2012); Modern Languages research has the potential to expand the range of pedagogical techniques in the teaching of classical languages (Bailey, 2021; Christodoulou and Wiliam, 2017; Hunt, 2016, 2022; Patrick, 2015); and finally, Latin has an implicit learning problem whereby pupils are not exposed to uses of the language in a range of relatable and adaptable contexts (Gall, 2020; Gruber-Miller and Mulligan, 2022; Praet and Verhelst, 2020). My study therefore aims to address the problems and issues identified above and ensure that my language learning pedagogy was informed by valid research reflected in practice.

Observations

The following observations were carried out in a Year 12 AS Level class consisting of eight pupils. The class composition was three boys, and five girls. There were no SEND pupils, and two pupils were EAL. Five out of eight of the pupils were predicted an A*, and the remaining three were predicted an A grade.

Prior to conducting the investigation, I had taught the class one lesson a week for an hour over the course of six weeks. Each week, the class was asked to translate an unseen passage of approximately 14 lines from a set textbook (Carter, 2016). I observed that while some pupils were able to finish the translation within 45 minutes (the final 10–15 minutes of the class were spent on group marking and class discussion of difficult grammar items), most of the pupils struggled to finish the passage and were distracted by unfamiliar vocabulary and the inability to recognise instances of hyperbaton. Unfamiliar vocabulary appeared to be having a negative impact on the pace of translation (Nation, 2013, 195). Therefore, I decided to conduct a series of observations using retrieval practice as a method of formative assessment that would pre-teach unfamiliar vocabulary.

During the classes I aimed to observe:

- How much of the translation pupils finished.
- The extent to which pupils needed to ask for vocabulary help and rely on dictionaries.
- To what extent pupils found the formative assessment useful for completing the unseen. E.g., after learning the principal parts of *do* (*dare, dedi, datus*), could pupils recognise the pluperfect form (*dederam*) as part of the verb?

I evaluated these directives through observation of a collaborative translation task (CTT). Pupil understanding of the unseen passage was assessed in all conditions by a group translation at the end, with pupils taking it in turns to read aloud their translation, one sentence at a time. All pupils were required to contribute, achieved through randomised cold calling. Pupils were therefore not able to anticipate which sentences they would be asked to translate, allowing me to assess whether their understanding was consistent throughout the passage. The final 15 minutes of the classes were spent on teacher-led discussion of common errors, guiding pupils through corrections.

Methodology

With a one-hour weekly time slot to guide the class through an unseen, I decided to use a CTT for the translation of the unseen passages (Kargar and Ahmadi, 2023). My reasons for this were linked closely to the findings of the aforementioned study; working in a small group (two-three) allowed pupils to engage in topic-based discussions which serve to bring attention to the target languages forms (Kargar and Ahmadi, 2023, 88). These aims accord with the language acquisition principle that instruction needs to account for the fact that translation has a subjective aspect (Conti and Smith, 2021, 205). The study further argued in relation to modern, spoken languages that collaborative interaction with peers helped to imbue the TL with sociocultural significance which made it more meaningful to participants, and therefore aided recall (Conti and Smith, 2021, 89). While this may not be directly relevant for Latin teaching, especially where contexts are unfamiliar (e.g., a Roman battle) the group engagement with the TL still causes pupils to consider the differences between the L1 and TL, leading to better understanding and retention.

A similar investigation to mine used collaborative learning in a Year 12 Latin classroom to assess unseen verse translation (Law, 2022, 5). The data gathered in this study through a student self-reflection questionnaire indicated that collaborative translation increased student motivation to complete the unseen translation, and increased confidence through the sharing of ideas (Law, 2022, 10). This is particularly important in Latin where the focus of learning is understanding of the syntax, rather than ability to communicate in the TL, leading to a greater demand for accuracy which some pupils may find intimidating. My study complements and extends Law's research by incorporating formative assessment into the observations to evaluate its impact on accuracy during the CTT, whereas Law measured student motivation and confidence with unseen translation taught through CTT.

Furthermore, the CTT allowed pupils to feel comfortable making mistakes with each other, and genuinely attempting every aspect of the translation before giving answers to the expert teacher. Reduction of anxiety or threat of embarrassment meant that pupils were more engaged and able to function better. A drawback of the CTT is an error contagion effect; when one particularly vocal or dominant student made an error during the task, pupils deferred to their judgement and therefore repeated the error. While the expert teacher can correct this error at the end of the class during feedback, it may lead to a misrepresentation of each student's knowledge, as the error ultimately came from one source. The teacher should listen carefully to all discussion during the CTT and keep mental notes about what individual pupils contribute in order to mitigate this effect and maintain a detailed impression of each student's level/skills.

The final test condition (pre-teaching vocabulary followed by a low-stakes quiz) follows a methodology that has been applied to Modern Languages teaching (Perez, 2019, 7–9). Eye-tracking technology has allowed researchers to investigate how cognitive resources are allocated when confronted with a TL. Participants in the study spent less time 'noticing' pre-taught, familiar words, which allowed them to focus on overall grammar and meaning construction (Perez, 2019, 17–18). While the applicability of this study to Latin is limited as the study focused on audio-visual inputs such as captioned footage, the pedagogical implications are nevertheless productive; pre-teaching vocabulary allows pupils to focus on grammar connections resulting in better learning outcomes, particularly in test-taking. Formative assessment supports this pre-teaching.

No retrieval practice

Pupils were given the passage *Hiero* and told they had 45 minutes to translate the passage into their books working in self-selected groups of two or three. The passage gave text-based glosses of words that are not part of the A Level vocabulary list, but pupils were not given any further vocabulary support.

Results and analysis

Four out of the eight pupils finished the passage in the timeframe, but all pupils managed to translate up to line 11 of the 14-line translation. From overhearing discussion during the CTT, I observed major vocabulary problems with the irregular past participle forms (e.g., *obsesso* from *obsideo*). This stemmed from an inability to recognise the form rather than non-recognition of meaning. Similar difficulties arose with commonly confused words (*viribus* mistaken for the ablative form of *vir*, phonological similarity effect (Nation, 2013, 459) also led *ostendo* to be mistaken for *occido*). Other difficulties were *maritus, mariti* (2) (mistaken for *mare*), *potestas, potestatis* (3), and non-recognition of numerals (*nonaginta, quindecim*, and the force of *unum*). Overall, pupils produced accurate translations with only minor errors. The errors were linked to a misunderstanding of vocabulary. For example, having translated *ostendit* as 'he killed', pupils made *tyrannum* a direct object, 'he himself killed the tyrant'.

Retrieval practice: matching words

In this condition, the class began with a matching task on paper (see supplementary appendix 1a). Words selected for retrieval practice needed to be included on the OCR A Level vocabulary list, anticipated the vocabulary in the unseen passage, and additionally fulfilled the word length and lexical sophistication conditions of Gruber-Miller and Mulligan (2022). The pupils were given five minutes to match the words in the list with the English meaning. Afterwards, the solution was provided on the board and pupils self-assessed. This method was chosen due to the high time constraints of the one-hour class. It was important the retrieval task did not take time away from the CTT and allowed time for teacher-led feedback at the end of the session. Pupils were then given the passage *Pacuvius Calavius* (2) and told they had 45 minutes to translate the passage into their books working in the same self-selected groups. Ten minutes was planned for group translation and teacher-led feedback.

Results and analysis

The completion rate of the translation was very low in this condition. Only two pupils finished the translation in 45 minutes. The remaining six pupils completed nine lines. Therefore, I decided to give the class 55 minutes to finish the translation, in which time every student was able to complete the task. This meant feedback was not provided until the next class, six days later. The *vis/vir* confusion persisted, with pupils attempting to make *in eius locum virum* into 'he was in a strong place'. Other difficulties were ablative absolutes that contained prepositional phrases (*vocato ad consilium populo; nominibus in urnam coniectis*). Pupils made the verbs indicative and transferred subjects from the main clause. e.g., 'he was called to a meeting by the people'.

Retrieval practice: low-stakes vocabulary test

In this test condition, pre-learning was used as an instructional intervention prior to reading (Nation, 2013, 294 & 506). Pupils were

	Raw mark out of 16	Percentage
Mean average	14.1	88.1%
Lowest	12	75%
Highest	16	100%

Results of the Low-Stakes Vocabulary Test

Figure 1. Results of the Low-Stakes vocabulary test.

instructed to learn 17 vocabulary items (see supplementary appendix 1b) as a homework task over the course of one week which anticipated the vocabulary in the unseen. Vocabulary items were selected on the same basis as the matching task. In addition, Hunt’s criteria for testing vocabulary, focusing on putting words in context (Hunt, 2016, 140) allowed meaning carried by form to be part of the assessment. I also included an MCQ section to test specific skills in noticing forms rather than memory (Brown *et al.*, 2014). The class began with a written five-minute paper test (see supplementary appendix 1c), followed by the provision of solutions on the board and student peer-assessment. I collected these marks during the CTT. Pupils were then given the passage *The Battle of Actium* and instructed they had 45 minutes to translate the passage into their books working in the same self-selected groups. Ten minutes was reserved for the group translation and teacher-led feedback.

Results and analysis

The completion rate of the translation was the highest in this condition. Pupils spent eight minutes completing and peer-assessing the vocabulary test. All the pupils completed the translation within 40 minutes. 12 minutes was spent on teacher-led marking and feedback. Pupils spent no time looking up vocabulary and did not use their dictionaries to complete the exercise. Question 16 on the test required pupils to recognise the perfect passive participle *inlatus*. Only five pupils translated the participle correctly on the test, but all pupils correctly translated *inlatae* in the translation task having received feedback for their former answers (see Figure 1).

Conclusion

The test condition that led to the highest completion rate (within 45 minutes) was retrieval practice through a low-stakes vocabulary test which led to all pupils completing the translation in the allotted time. In the control condition, no retrieval practice, only half the pupils completed the translation. The lowest completion rate was the retrieval practice condition that used a matching exercise where only a quarter of the pupils completed the translation (see Figure 2).

The matching words condition produced an accurate translation with few vocabulary errors, but pupils still relied heavily on their vocabulary list, flicking between the matching exercise and the

passage to produce a translation. Ultimately, the matching exercise does not satisfactorily solve the problem of reliance on dictionaries, as time must be taken out of the lesson for the exercise and speed of translation remains slow. Moreover, sometimes pupils struggled to connect the words they saw on the page with the form given in the matching exercise, much in the same way as pupils struggle to derive the correct form to search for in the dictionary from the form in the text.

The biggest challenge was finding a balance between economy of time spent on producing materials and conducting the assessment, while allowing ample time for the completion of the unseen. In the matching exercise condition, the fact that feedback was not able to be provided until six days later was a major drawback because pupils focused less on the Latin, reading out their translations, but struggling to remember how they had derived them from the Latin. This reduces the positive impact of teacher feedback on understanding.

Extraneous variables that may have impacted the results of this investigation are the impact of time separating the test conditions and the unrepresentative high ability cohort. Firstly, these observations were conducted over a period of four weeks. Performance in the final test condition may therefore have been affected by the fact pupils had developed their skills and become better Latinists in this time because of factors outside the retrieval practice and test conditions. To increase the validity of the experiment, I would ideally have conducted my investigation within the same week and with a wider, more diverse sample of participants.

My participants were all pupils predicted A/A*. A conscientious mindset meant that pupils spent time learning their vocabulary for the low-stakes vocabulary test, responded attentively to teacher feedback, and actively made corrections, which ensured a high performance for the final condition. A low- or mixed-ability cohort may have responded differently to the test conditions.

In conclusion, the most effective method of formative assessment for supporting pupils during unseen tasks is pre-teaching vocabulary followed by low stakes retrieval practice through a vocabulary test. Although, the preparation of vocabulary tests prior to reading unseens does represent a time-consuming burden for the teacher, I suggest that the unseens and vocabulary test be planned as part of a scheme of work well in advance. This is what is called a ‘vocabulary curriculum’ (Conti and Smith, 2021, 209). Regular vocabulary testing should form a major part of language teaching regardless (Nation, 2013, 414). If this can be synthesised efficiently with the translation of unseens, teachers of Latin stand to make significant gains. The pre-taught vocabulary will be given context by the subsequent translation of the unseen,

	Number of pupils out of 8 who completed the translation within 45 minutes	Average number of lines translated	Dictionary used?	Forms in retrieval exercise recognised in translation?
No retrieval practice	4	12.3	Yes	N/A
Retrieval practice: Matching Exercise	2	10.6	Yes	Sometimes
Retrieval practice: Low-stakes Vocabulary Test	8	14	No	Yes

Table Showing Summary of Findings

Figure 2. Table showing summary of findings.

which will additionally provide repetition, and therefore aid long-term recall in line with research (Hunt, 2022, 63–65). This enhances the effectiveness of the formative assessment and the student ability to translate unseen texts.

Unseens are important pedagogic tools as they provide intensive reading instruction (Nation, 2013, 202) but they are daunting task for pupils due to the unfamiliar and unpredictable elements of the task (Bailey, 2021, 33; Law, 2022, 4). Formative assessment should be incorporated into this activity in a way that facilitates learning for the pupils and allows them to tackle unseens with less anxiety. Replicating this investigation in a mixed-ability cohort and in other, non-selective, schools would be an excellent way to trial low-stakes vocabulary testing linked to unseen passages as a method of formative assessment which could be incorporated into a holistic and well-planned vocabulary curriculum. The sharing of such a resource would increase the effectiveness of the unseen translation, and the major role it plays in the teaching of Latin.

Supplementary material

The supplementary material for this article can be found at <https://doi.org/10.1017/S2058631024000692>.

Author biography

Caitlin was formally an undergraduate student at the University of Cambridge, where she studied Classics on the four-year programme. She then went on to complete her MA studies at the University of Manchester in Classics and Ancient History. In 2024, she completed her PGCE at Liverpool Hope University in Classics and Latin before assuming a post as teacher of Latin and Classical Civilisation at The Grange School in Cheshire in September 2024.

References

- Bailey JS** (2021) Communication in all modes as efficient preparation for reading a text. In Lloyd ME and Hunt S (eds), *Communicative Approaches for Ancient Languages*. London: Bloomsbury Academic, pp. 33–47.
- Black P and Jones J** (2006) Formative assessment and the learning and teaching of MFL: sharing the language learning road map with the learners. *The Language Learning Journal* 34, 4–9.
- Black P and Wiliam D** (1998) Inside the black box: raising standards through classroom assessment. *Phi Delta Kappan* 80, 139–148.
- Brown PC, Roediger HIII and McDaniel MA** (2014) *Make It Stick: The Science of Successful Learning*. Harvard: Harvard University Press.
- Carter A** (2016) *Latin Unseens for A Level*. London: Bloomsbury Publishing, p. 21, 23, 26.
- Christodoulou D and Wiliam D** (2017) *Making Good Progress? The Future of Assessment for Learning*. Oxford: Oxford University Press.
- Conti G and Smith S** (2021) *Memory: What Every Language Teacher Should Know*. Singapore: Piefke Trading Singapore.
- Gall A** (2020) A study in the use of embedded readings to improve the accessibility and understanding of Latin literature at A Level. *Journal of Classics Teaching* 21, 12–18.
- Gay B** (2003) The theoretical underpinning of the main Latin courses. In Morwood J (ed.), *The Teaching of Classics*. Cambridge: Cambridge University Press, pp. 73–84.
- Gruber-Miller J and Mulligan B** (2022) Latin vocabulary knowledge and the readability of Latin texts: a preliminary study. *New England Classical Journal* 49, 80–101.
- Hunt S** (2016) *Starting to Teach Latin*. London: Bloomsbury Academic.
- Hunt S** (2022) *Teaching Latin: Contexts, Theories, Practices*. London: Bloomsbury Academic.
- Kargar A and Ahmadi A** (2023) The effect of a collaborative translation task on the learning and retention of pragmatic knowledge. *The Language Learning Journal* 51, 78–93.
- Law E** (2022) A critical study into the extent that co-operative learning promotes a greater confidence and a more accurate rendering of syntax in unseen translations for Year 12 IB Higher Latinists. *Journal of Classics Teaching* 23, 4–12.
- Nation ISP** (2013) *Learning Vocabulary in Another Language*. Cambridge: Cambridge University Press.
- Patrick R** (2015) Making sense of comprehensible input in the Latin classroom. *Teaching Classical Languages* 6, 108–136.
- Perez MM** (2019) Pre-learning vocabulary before viewing captioned video: an eye-tracking study. *The Language Learning Journal* 47, 460–478.
- Praet S and Verhelst B** (2020) Teaching translation theory and practice. *Journal of Classics Teaching* 21, 31–35.
- Rosenshine B** (2012) Principles of instruction. *American Educator* 36, 12–19, 39.
- Shibli D and West R** (2018) Cognitive load theory and its application in the classroom. *Impact Journal of the Chartered College of Teaching* 2(1). https://my.chartered.college/impact_article/cognitive-load-theory-and-its-application-in-the-classroom/ (accessed 17 October 2023).
- Walker L** (2015) The impact of using Memrise on student perceptions of learning Latin vocabulary and on long-term memory of words. *Journal of Classics Teaching* 16, 14–20.
- Warwick H** (2019) An investigation into the effects of vocabulary learning strategies on the retention of Latin vocabulary in a Year 7 class. *Journal of Classics Teaching* 20, 4–13.