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Bakalářská práce

# Využití analogie při umisťování slovního přízvuku v angličtině

## Analogy in lexical stress placement in English

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České Budějovice 2025

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## **Poděkování**

Na tomto místě bych chtěl poděkovat **PhDr. Vladislavu Smolkovi, Ph.D.** za vedení, podnětné připomínky a veškerou poskytnutou pomoc při zpracování mé bakalářské práce.

## **ANOTACE**

Tato bakalářská práce se zabývá využitím analogie při umisťování slovního přízvuku v angličtině. Teoretická část se věnuje detailnímu popisu důvodů obtížností správného umisťování anglického slovního přízvuku u českých uživatelů angličtiny, následně se soustředí na vymezení přípon, které umístění přízvuku předvídatelně ovlivňují. V praktické části je z těchto přípon vybrán omezený soubor těch, s nimiž se žáci setkali v již osvojené slovní zásobě. Je zde ověřeno, zda v nich jednotliví respondenti umisťují přízvuk správně, a následně je respondentům předložen soubor pravděpodobně dosud neznámých slov s obdobnou morfologickou strukturou. Je využito nahrávek respondentů s grafickým označením pozice přízvuku. Cílem je zjistit, kterých přípon jsou respondenti schopni nejspolehlivěji využít při odhadu pozice přízvuku a nakolik jejich skutečná výslovnost koresponduje s jeho grafickým vyznačením. Výsledkem výzkumu je i soubor metodických doporučení pro praktickou výuku anglického slovního přízvuku odpovídajících věku a pokročilosti žáků.

## **ABSTRACT**

This bachelor thesis deals with the use of analogy in lexical stress placement in English. The theoretical part presents a detailed description of reasons for the difficulties in correct word stress placement encountered by Czech users of English, then it concentrates on the identification of the suffixes which have a predictable effect on stress placement. In the practical part of this thesis, a limited selection of these suffixes is presented to the respondents in words that should be part of their active vocabulary to test whether they place the stress correctly in them. Afterwards, the respondents are asked to place the stress in words containing the same suffixes they probably have never seen before. Audio recordings and stress marking are used to identify the position of the stress. The goal of the thesis is to find out which of the suffixes the respondents are able to use most reliably when estimating the position of the stress in the unknown words, and how much their real pronunciation corresponds with its graphic marking. The findings should also be result in a

set of systematic recommendations for the practice of teaching of English word stress in the classroom, corresponding to the age and the level of the pupils.

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## INTRODUCTION

English is the most widely used and most extensively taught foreign language in the world and the principal foreign language of most pupils. Yet its pronunciation presents several challenges for speakers of other languages. One of the potentially difficult areas is the stress placement, which may differ from how it works in their native languages. For example, in Czech, Slovak, Finnish, as well as in many other languages, the stress always comes on the first syllable, but, for example, in Polish, it is the penultimate syllable that is always stressed. In German, it is mostly, though not invariably, on the first syllable of the word. In English, the stress is free, which means its position differs from word to word. At the same time, its position can be predicted, at least to some extent, if the speaker knows some basic principles.

This thesis deals with some of these principles and the use of analogy in predicting its position in words derived by means of suffixes which have a predictable effect on it. The differences between Czech and English that cause problems are related to the nature of the stress in the two languages: fixed stress position in Czech versus free stress position in English, and to the fact that the difference between stressed and unstressed syllables is much greater in English than in Czech, since it also includes a qualitative difference in the syllabic centres of stressed and unstressed syllables, resulting from the reduction of unstressed ones. As a result, the English rhythmical patterns are strange to Czech listeners, because the Czech lexical stress signalizes the beginning a word.

The second part of this thesis is based on field research in which pupils and teachers of English were asked to read sentences containing words they should know that are derived by stress-neutral, stress-carrying and stress-shifting suffixes, and words they probably don't know containing the same suffixes. The words that should be familiar are taken from textbooks used by the respective classes. The data obtained are used to find out how well, or whether at all, the tested individuals use analogy in lexical stress placement in the unfamiliar words.

The goal of this thesis is to explore how well the different-level English users can intuitively place the lexical stress in newly acquired words based on the analogy with their already acquired vocabulary.

The outcomes of this thesis should also include a set of methodological recommendation for the education of lexical stress placement in practical English classes, adequately adapted to each age group and language level.

## THEORETICAL PART

### 1 Stress

Stress is one of the basic phonological categories and a very important factor in many spoken languages. The stressed-unstressed difference varies substantially across languages. While acquiring the native language, its users learn the word stress placement just by hearing others speak. As Costa (2017: 3; 7) suggests, “...*although babies do not speak, this does not mean that their brain is not continuously processing the information that is all around them. In fact, many studies have shown that during their first months of life babies acquire very sophisticated knowledge about language, and even if they won't start talking until after the first year of life (at the earliest), after a mere six months they will already have developed a complex knowledge of language, including a number of words. [...] Thanks to studies like this one, we now know that babies are sensitive to many of the regularities present in the speech signal, such as the possible combinations of sounds in language (what we call phonotactic rules), the patterns of intonation and accentuation, and the repertoire of sounds.*” Therefore, there is no doubt all native speakers of English would agree that the word *father* has stress on the first syllable, *control* on the second syllable, and in *perhaps* the stress is on the final syllable, even if they cannot explain what exactly stress is.

For native speakers of Czech, word stress is a relatively insignificant factor, for it is fixed, that is, constantly placed on the initial syllable, and not very noticeable. Palková (1994: 157) states: “*The stress placement is different in different languages. In languages with the so-called fixed stress, the stressed syllable has a constant relation to a building attribute of a word, mostly to an intervocalic boundary (in Czech the stress is bound to the first syllable, in French to the last syllable and in Polish to the penultimate syllable). Fixed placement of a stress means that the sound quality is from the point of differentiation of the character unit a derived attribute, it can't distinguish one character unit from another.*” As a result, Czech speakers of English often ignore stress placement even after hearing its correct position from a native speaker.

## 1.1 Definition

First, we need to define the term stress. Cruttenden (2008: 235) says “*The accentual<sup>1</sup> shape of a word, in terms of the degree of prominence associated with its parts, [...] produce such a pattern of varying prominences.*” This implies that stress can have different quality, shape or form. Roach (1998: 85) says “*The production of stress is generally believed to depend on the speaker using more muscular energy than is used for unstressed syllables. Measuring muscular effort is difficult, but it seems possible, according to experimental studies, that when we produce stressed syllables, the muscles that we use to expel air from the lungs are more active, producing higher subglottal pressure.*” This view suggests that stressed syllables are not only more prominent, but also more difficult to produce and consume more energy. Stress is multifactorial phenomenon and cannot be reduced to one aspect, stress can be expressed as a change in pitch, loudness, quality or quantity or a combination.

## 1.2 Classification: Levels of stress

Roach (1998: 87) says “[...] simple distinction between ‘stressed’ and ‘unstressed’ syllables with no intermediate levels; such a treatment would be a two-level analysis of stress. Usually, however, we have to recognize one or more intermediate levels.” Roach (1998: 87) then explains four levels of stress. The first level is primary stress and Roach (1998: 87) explains it on the word *around*, where the primary stress falls on the last syllable. Secondary stress is explained as follows. “*In some words, we can observe a type of stress that is weaker than primary stress but stronger than that of the first syllable of ‘around’, for example in the first syllable of the words ‘photographic’ fəʊ.tə'græf.ɪk, ‘anthropology’ ,æn.θrə'pɒl.ə.dʒi. The stress in these words is called secondary stress. It is sometimes represented with a low mark ‘ˊ’*” For clarification the secondary stress in *photographic* and

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<sup>1</sup> Cruttenden uses the term **accent** instead of **stress**

*anthropology* is on the first syllable. The third, or tertiary, and fourth level of stress derive from more prominent unstressed syllable. Roach (1998: 87) states “However, it is worth noting that unstressed syllables containing ə, ɪ, ʊ or a syllabic consonant will sound less prominent than an unstressed syllable containing some other vowel. For example, the first syllable of ‘poetic’ pəʊ’et.ɪk is more prominent than the first syllable of ‘pathetic’ pə’θet.ɪk. For a clearer view of the individual levels of lexical stress:

- Primary – the strongest stress (potentially showing all factors of prominence; loudness, length, quality, and, most importantly, pitch)
- Secondary – potentially loudness, length, quality – but not pitch
- Tertiary – only showing quality (unreduced vowel as the syllabic centre)
- Unstressed – none of the factors of prominence

Roach (1998: 87) also says that dividing stress into four levels seems unnecessarily complex and this applies to this thesis too, where the focus is the primary stress placement.

Stressed syllables are perceived as more prominent in comparison with unstressed ones. The following are the respective factors of prominence.

### **1.3 Factors of prominence**

The prominence of a stressed syllable is manifested through four different parameters: pitch, loudness, quality and quantity, although mostly it is a combination of more factors at the same time. Cruttenden and Roach have some small differences in categorizing the stress prominence. Cruttenden (2008: 236, 237) talks about pitch change, loudness, quantity and quality. Roach (1998: 86) talks about the same factors, but uses the term length instead of quantity, which are synonyms from the linguistic point of view. Cruttenden (2008:236) states “But it is principally pitch change which marks an accented syllable,” this implies that the most prominent differentiator is pitch.

### 1.3.1 Pitch

Roach (1998: 86) explains pitch as a frequency of vibration of the vocal folds and compares it to the musical notion of low- and high-pitched notes. Cruttenden (2008: 236) further divides pitch into two categories *pitch change* and *pitch height*. When we speak about pitch change, we speak about the pitch changing its height as it is pronounced, Cruttenden talks about falling and rising intonation *“The different accentual patterns of insult (noun) and insult (verb) are easily distinguished by their pitch patterns. If a falling intonation is used, the fall occurs on the first syllable of the noun and on the second syllable of the verb. Similarly, if a rising intonation is used, the rise begins on the first syllable and the second syllable respectively.”* Pitch height refers to the tonal height at which the syllable will be pronounced in comparison to the other syllables. When pitch change and height are combined with weak syllables it creates a stress patterns. The pattern can differ if a word is used as a noun or a verb. If one syllable of a word of two or more syllables is said with pitch different enough from the others, it appears as the “different” one is stressed, and the rest appears as unstressed or weak. Roach (1998: 86) also mentions *“To place some movement of pitch (e.g. rising or falling) on a syllable is even more effective.”*

### 1.3.2 Loudness

To many it appears that stressed syllables are louder and to a certain extent it is true, but if it were only for loudness, the prominence would not be so remarkable, which is supported by both Roach (1998: 86), who says *“[...] if one literally changes only the loudness, the perceptual effect is not very strong,”* and Cruttenden (2008: 237), who states *“Loudness is not by itself an efficient device for signalling the location of the accent in English. When they are said on a monotone and without undue lengthening of accented syllables, it is difficult to distinguish by loudness alone [...]”* Roach (1998: 86) also says that it is very difficult for a speaker to change the loudness of a stressed syllable without changing some of the other characteristics.

### 1.3.3 Quality

Roach (1998: 86) explains quality like this *“A syllable will tend to be more prominent if it contains a vowel that is different in quality from neighbouring vowels.”* He also says that this effect is neither very powerful, nor important. The quality is a contrast between full and reduced vowel Cruttenden (2008: 237) *“Long vowels and diphthongs are generally more prominent than short vowels, while among the short vowels themselves /ɪ, ʊ, ə/ are the least prominent and, when not accented by pitch or loudness, are often referred to as REDUCED (non-reduced vowels are said to be FULL). As far as prominence is concerned, syllabic consonants are considered to be sequences of /ə/ plus /l, m, n, ŋ/ and hence are equivalent to reduced vowels. The reduced vowels are so lacking in prominence that they have a high frequency of occurrence in unaccented as opposed to accented syllables, with /ə/ occurring only in unaccented syllables. Roach (1998: 86) supports the contrast with this *“We can look on stressed syllables as occurring against a ‘background’ of these weak syllables, so that their prominence is increased by contrast with these background qualities.”**

### 1.3.4 Quantity

Roach (1998: 86) tells us this about quantity *“If one of the syllables [...] is made longer than the others, there is quite a strong tendency for that syllable to be heard as stressed.”* As mentioned in paragraph 1.3 Cruttenden (2008: 237) describes quantity and quality in one paragraph *“while accent is principally achieved by pitch change, sometimes assisted by extra loudness, among unaccented syllables some will be more prominent than others due to the quality and quantity of the vowels at their centre,”* Cruttenden’s research also assumes even unstressed diphthongs may appear longer than stressed short vowels and explains it on few examples like *pillow /ˈpɪl.əʊ/*. This theory implies that quality and quantity are closely related, because quality often bears corresponding quantity and even the fact it is a weak syllable does not drastically change its quantity.

## 1.4 Stress predictability

As we have already found, our lexical stress is free, not tied to any particular position in words, thus it is difficult to place for a non-native speaker. On the other hand, native speakers are likely to place the stress correctly even if they are faced with a word they have never seen before. This means that there are some rules or regularities to it, and the position of the stress is predictable, at least to a certain degree. As Roach (1998: 88) explains: *“Many writers have said that English word stress is so difficult to predict that it is best to treat stress placement as a property of the individual word, to be learned when the word itself is learned. Certainly, anyone who tries to analyse English stress placement has to recognise that it is a highly complex matter. However, it must also be recognised that in most cases when English speakers come across an unfamiliar word, they can pronounce it with the correct stress (there are exceptions to this, of course); in principle, it should be possible to discover what it is that the English speaker knows and to write in the form of rules.”* Cruttenden (2008: 249) supports the fact that the word stress in English is a very complex matter and the idea of predictability: *“... in English there is no such regular pattern and the differing accentual patterns of words are as important to their recognition as is the sequence of phonemes. Although the accentual patterns are not as regular as in many other languages, there are nevertheless tendencies and the foreign learner can definitely be helped by learning some of these tendencies.”* So, what are the rules in stress placement? Roach (1998: 88) suggests some tips to make use of. The first one is as follows: *“Whether the word is morphologically simple, or whether it is complex as a result either of containing one or more affixes (that is prefixes or suffixes) or of being a compound word.”* This rule is very important for this thesis and is explored more in depth in the next paragraph. The second rule points to *“the grammatical category to which the word belongs (noun, verb, adjective, etc.)”*. The third rule tells us that stress position can also be decided by the number of syllables in the word, and the fourth rule is based on the third one and suggests the stress placement can be affected by the phonological structure of the syllables. *“Nevertheless, practically all the rules have exceptions and readers may feel that the rules are so complex that it would be easier to go back to the idea of learning the stress for each word individually.”* I think this sentence really demonstrates the complexity of English word stress placement. Cruttenden (2008: 249) basically gives us the same information as Roach,

but with specific examples of suffixes. *“In particular, he should pay attention to the influence of suffixes on the placement of primary accent (§10.3.2), noting whether the suffix leaves the accent on the stem unchanged (as with the inflexional suffixes, with adjectival -y, with adverbial -ly, and with -er and -ish), whether it takes the accent itself (as with -ation) or whether it moves the accent on the stem (as with the -ate and -ity). Learners should also pay particular attention to the role of accentual contrast in those cases where word classes are distinguished by a shift of accent (§10.5), at the same time making appropriate reduction of unaccented vowels. They should not, however, extend such variation of accentual patterns indiscriminately to all dissyllables, e. g. report, delay, select, reserve, account, have the same pattern in both verb and noun/adjective functions.”* Cruttenden (2008: 239) also explains how stress placement can be predicted by knowing to which word class the word belongs. The rule for verbs is that if the final syllable is strong, it is stressed and follows it with examples such as /rɪ'leɪt/, /ə'grɪ:/, /ɪn'klu:d/ or /dɪ'slaɪk/, but if the final syllable isn't strong, the stress falls on the penultimate syllable, e.g. /sə'r'en.dəʃ/, /'pʌn.ɪʃ/, /'wɜ:.ɹɪp/ or /rɪ'zɛm.bəl/. Keep in mind that there are exceptions to everything and this rule is no exception. Recognize has strong final syllable, but the first syllable is stressed and, in the word impress the final syllable is stressed. For adjectives the first rule is similar as for verbs, but the second rule is modified by that if the penultimate syllable is weak the stress falls on the antepenultimate (third from last) syllable, for example /'def.i.nət/, /'pɒs.ə.bəl/. Exceptions are for example /'tæn.tə.məʊnt/ or /ɪm'pɔ:.tənt/. For nouns the first rule is if the final syllable is strong, it is *optionally* stressed as in words /aɪ'dɪə/, /mə'ʃi:n/, /ɑ:f.tə'nu:n/ or /bə'lu:n/. If the final syllable isn't strong the stress falls on the penultimate, but if the penultimate also isn't strong the antepenultimate syllable is stressed and in case the antepenultimate syllable isn't strong the stress is on the ante-antepenultimate (fourth from last), but that happens rarely. Some examples listed for strong final syllable words with penultimate stress: /'prəʊ.faɪl/, /tə'mɑ:.təʊ/, /'wɪn.dəʊ/, for strong final syllable words with stress on antepenultimate: /'fær.ən.haɪt/, /'tel.ɪ.fəʊn/ or /'æ.n.tɪ.ləʊp/, for weak final syllable words with stress on antepenultimate: /'kwɒn.tə.ti/, /'dɪs.ə.plɪn/ or /'ev.ɪ.dəns/. Lastly examples for the rare stress placement in words with weak final syllable and stressed ante-antepenultimate syllable: /'hel.ɪ.kɒp.təʃ/ and /'tel.ɪ.vɪz.ən/. He then lists some exceptions for words with stress on the final weak syllable: /həʊ'tel/ and /pɜ:.sən'el/.

## 1.5 Influence of the suffixes on the word stress placement

As mentioned in the last paragraph, the stress can be altered by an affix, more specifically a suffix. Roach (1998: 95) explains affixes like this: *“Affixes are of two sorts in English: prefixes, which come before the stem (e.g. prefix ‘un-’ + stem ‘pleasant’ → ‘unpleasant’) and suffixes, which come after the stem (e.g. stem ‘good’ + ‘-ness’ → ‘goodness’).* Making things more difficult, the the position of stress varies across some suffixes, while and with some it doesn’t change at all with others. Cruttenden (2008: 240) states: *“Some suffixes have no effect on the accentual pattern of stems and hence are called accent-neutral; in the complex word the primary accent remains where it is in the stem, e.g. `bitter, `bitterness. Other suffixes regularly take the accent themselves (are accent attracting), e.g. `disk, dis`kette. Yet others have the effect of fixing the accent on a particular syllable of the stem (are accent-fixing): on the final syllable of the stem, e.g. `definite, defi`nition, or on the penultimate syllable of the stem, e.g. `infant, in`fanticide (where the stem is infanti-), or varying between final and penultimate according to the same principle as that for roots, i.e. whether the final syllable of the stem contains, on the one hand, a short vowel in an open position or followed by only one consonant, or on the other hand, a long vowel or short vowel plus two consonants, `medicine, me`dicinal, but in`testine, intes`tinal.”* As Roach (1998: 96) mentions, there are so many suffixes that it is very hard to examine all of them, and rather concentrates on those which are common. This also apply for this thesis, since the practical part focuses on young non-native speakers, where the knowledge of vocabulary and the capacity for analogy are limited. Roach (1998: 96, 97) listed these stress-neutral suffixes as the most common:

‘-able’: ‘comfort’ ‘kʌm.fət; ‘comfortable’ ‘kʌmftəbl

‘-age’: ‘anchor’ ‘æŋ.kə; ‘anchorage’ ‘æŋ.kə.rɪdʒ

‘-al’: ‘refuse’ rɪ'fju:z; ‘refusal’ rɪ'fju:.zəl

‘-en’: ‘wide’ waɪd; ‘widen’ 'waɪ.dən

‘-ful’: ‘wonder’ 'wʌn.də; ‘wonderful’ 'wʌn.də.fəl

‘-ing’: ‘amaze’ ə'meɪz; ‘amazing’ ə'meɪ.zɪŋ

'-ish': 'devil' 'dev.əl; 'devilish' 'dev.əl.ɪʃ

*"(This is the rule for adjectives; verbs with stems of more than one syllable always have the stress on the syllable immediately preceding 'ish', e.g. 'replenish' rɪ'plen.ɪʃ, 'demolish' dɪ'mɒl.ɪʃ.)"* Roach (1998: 97).

'-like': 'bird' bɜ:d; 'birdlike' 'bɜ:d.laɪk

'-less': 'power' paʊə; 'powerless' 'paʊə.ləs

'-ly': 'hurried' 'hʌr.id; 'hurriedly' 'hʌr.id.li

'-ment' (noun): 'punish' 'pʌn.ɪʃ; 'punishment' 'pʌn.ɪʃ.mənt

'-ness': 'yellow' 'jel.əʊ; 'yellowness' 'jel.əʊ.nəs

'-ous': 'poison' 'pɔɪ.zən; 'poisonous' 'pɔɪ.zən.əs

'-fy': 'glory' 'glɔ:ri; 'glorify' 'glɔ:ri.fai

'-wise': 'other' 'ʌð.ə; 'otherwise' 'ʌð.ə.waɪz

'-y' (adjective or noun): 'fun' fʌn; 'funny' 'fʌn.i

The next group includes stress-carrying suffixes:

'-ain' (for verbs only): 'entertain' en.tə'teɪn; 'ascertain' ,æs.ə'teɪn

'-ee': 'refugee' ,ref.ju'dʒi:; 'evacuee' ɪ,væk.ju'i:

'-eer': 'mountaineer' ,maʊn.tɪ'nɪə; 'volunteer' ,vɒl.ən'tɪə

'-ese': 'Portuguese' ,pɔ:tfə'gi:z; 'journalese' ,dʒɜ:.nə'li:z

'-ette': 'cigarette' ,sɪg.ə'ret; 'laundrette' ,lə:n'dret

'-esque': 'picturesque' ,pɪk.tʃə'resk

'-ique': 'unique' ju:'ni:k

Suffixes moving the stress placement within the stem are the following:

'-eous': 'advantage' əd'vɑ:n.tɪdʒ; 'advantageous' ,æd.vən'teɪ.dʒəs

'-graphy': 'photo' 'fəʊ.təʊ; 'photography' fə'tɒg.rə.fi

'-ial': 'proverb' 'prɒv.ɜ:b; 'proverbial' prə'vɜ:.bi.əl

'-ic': 'climate' 'klaɪ.mət; 'climatic' klaɪ'mæt.ɪk

'-ion': 'perfect' 'pɜ:.fekt; 'perfection' pə'fek.ʃən

'-ious': 'injure' 'ɪn.dʒə; 'injurious' ɪn'dʒʊə.ri.əs

'-ty': 'tranquil' 'træŋ.kwɪl; 'tranquility' træŋ'kwɪl.ə.ti

'-ive': 'reflex' 'ri:.fleks; 'reflexive' rɪ'flek.sɪv

These suffixes shift the primary stress on the last syllable in the stem word.

Roach (1998: 98) puts suffixes '-ance', '-ant', '-ary' in a separate category because of their irregular behaviour and explains: *"When these suffixes are attached to single-syllable stems, the stress is almost always placed on the stem. When the stem has two syllables the stress is sometimes on the first, sometimes on the second syllable of the stem. To explain this we need to use a rule based on syllable-structure, as was done for simple words in the previous chapter. If the final syllable of the stem contains a long vowel or diphthong, or if it ends with more than one consonant, that syllable receives the stress. For example: 'importance' ɪm'pɔ:.təns; 'centenary' sen'ti:.nəri. Otherwise the syllable before the last one receives the stress: 'consonant' 'kɒn.sə.nənt; 'military' 'mɪl.ɪ.təri. We will not consider words with stems of more than two syllables. Such words are, from the point of view of this course, too complex and uncommon for it to be worth attempting to write rules.*

## Practical Part

### 2 Primary School respondents

The research is based on data obtained from pupils aged twelve-to-fourteen, which is called second level of elementary school in the Czech school system and is equivalent to lower secondary school in Britain (also known as middle school). The research was done at one school, but the pupils are divided into two groups for their English classes, and each group has their own teacher. The pupils were presented with a list of words with suffixes affecting the stress position in a regular and predictable manner. The words were chosen specifically for each age group, so the pupils should be familiar with them. Then they were presented with words containing the same suffixes, but ones that shouldn't be known to them. The participants were asked to read both groups of the words and their pronunciation was recorded in order to determine if the stress was placed on the correct syllable. To double-check the results, the pupils were subsequently given a copy of the word list and asked to mark the stress position graphically. Not all of the pupils were willing to record the pronunciation, so some provided only the written part, where they highlighted the syllable they thought was stressed. Some pupils told me that they only guessed the stress of some words and some pupils skipped the words where they had no idea where to place the stress.

#### 2.1 Word list

The list contained words from each group of stress placement. For the stress-neutral suffixes I chose *-able*, *-ful*, *-y* and *-ing*, because I think they are the most frequent ones and have strong representation even among the vocabulary of our subjects age group. As for the stress carrying I decided to use *-eer*, *-ese* and *-ette*. The stress-moving group will contain words ending in *-graphy*, *-ic*, *-ious* and *-ty*. The transcription for each word was taken from Cambridge dictionary's website (Cambridge Dictionary, 2025).

Words containing stress-neutral suffixes:

Known:

Unknown:

comfortable	/ˈkʌm.fə.tə.bəl/	dependable	/dɪˈpen.də.bəl/
available	/əˈveɪ.lə.bəl/	admirable	/ˈæd.mə.r.ə.bəl/
beautiful	/ˈbjʊ.tɪ.fəl/	delightful	/dɪˈlaɪt.fəl/
respectful	/rɪˈspekt.fəl/	resourceful	/rɪˈzɔː.sfəl/
funny	/ˈfʌn.i/	powdery	/ˈpaʊ.dəri/
carefully	/ˈkeə.fəl.i/	peppery	/ˈpep.əri/
amazing	/əˈmeɪ.zɪŋ/	astonishing	/əˈstɒn.ɪ.ʃɪŋ/
interesting	/ˈɪn.tres.tɪŋ/	discouraging	/dɪˈskʌr.ɪ.dʒɪŋ/

Words containing stress-carrying suffixes:

Known:

engineer	/ˌen.dʒɪˈnɪər/
musketeer	/ˌmʌs.kəˈtɪər/
cigarette	UK /ˌsɪɡ.ərˈet/ US /ˈsɪɡ.ə.ret/

Unknown:

pamphleteer	/ˈpæm.flətɪər/
profiteer	/ˌprɒf.ɪˈtɪər/
usherette	/ˌʌʃ.əˈret/
statuette	/ˌstætʃ.uˈet/
Japanese	/ˌdʒæp.ənˈiːz/
journalise	/ˌdʒɜː.nəlˈiːz/
Vietnamese	/ˌvjet.nəˈmiːz/
legalese	/ˌliː.gəlˈiːz/

Words containing stress-moving suffixes:

Known:

geography	/dʒɪˈɒɡ.rə.fi/
photography	/fəˈtɒɡ.rə.fi/
electric	/ɪˈlek.trɪk/
fantastic	/fænˈtæs.trɪk/
delicious	/dɪˈlɪʃ.əs/
celebrity	/səˈleɪ.b.rə.ti/
difficulty	/ˈdɪf.ɪ.kəl.ti/

Unknown:

bibliography	/ˌbɪb.liˈɒɡ.rə.fi/
phonography	/ˌfəʊˈnɒ.grə.fi/
mythologic	/ˌmɪθ.əˈlɒdʒ.ɪ.k/
heroic	/hɪˈrəʊ.ɪk/
gracious	/ˈɡreɪ.ʃəs/
malicious	/məˈlɪʃ.əs/
vicinity	/vɪˈsɪn.ə.ti/
lucidity	/luːˈsɪd.ə.ti/

The “known” words include vocabulary that each age group should be familiar with, and, conversely, the “unknown” words should be unfamiliar across the groups. The words were chosen with the help of A2 vocabulary list by Cambridge English (Cambridge Assessment

English, 2025) and consulted with the pupils' teacher. Originally, I wanted to have two words for each suffix for both known and unknown columns, but due to the limitations of A2 vocabulary I had to leave some suffixes with a single known word.

I must add and admit I made two mistakes when putting together the word list, which I found only when analyzing the results. There are words with the suffixes -ful and -able and I didn't realize the differences between the stress position, which could lead to confusion of the pupils where *beautiful* has stress on the first syllable, but *delightful* has stress on the second syllable. The opposite goes for the words *available* with stress on the second syllable and *admirable* with stress on the first one. The other mistake was using the word *admirable*; the suffix -able is generally described as stress-neutral, but in the word *admirable*, the stress moves from second syllable in the word *admire* to the first syllable in the word *admirable*.

### **3 The responses**

The responses are divided into groups by the classes they were acquired in. I have collected over 90 responses, but since the focus of this thesis is pronunciation, I primarily reviewed the responses of the pupils, who provided both the audio recording and the paper version. Secondly I reviewed the responses of the pupils, who did only the written part, so I had more data to work with. Since not every pupil wanted to participate in the oral part, I acquired 5 audio recordings and 12 lists in 6<sup>th</sup> class, 6 audio recordings and 22 lists in 7<sup>th</sup> class, 5 audio recording and 22 lists in 8<sup>th</sup> class and 5 audio recordings and 22 lists in 9<sup>th</sup> class. The results containing both the audio recording and the written part are put into tables, where you can see the stress placement in both categories as well as the correct stress placement, and I added numbers representing how many times the stress was placed correctly. To save space and make this thesis uncluttered, the tables are available in the appendix. The tables following show the best and the worst results; both are included in the appendix as well for more clarity.

Pupil n. 4					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	de'pendable	de'pendable	de'pendable
a'vailable	a'vailable	a'vailable	ad'mirable	ad'mirable	'admirable
'beautiful	'beautiful	'beautiful	de'lightful	de'lightful	de'lightful
'respectful	res'pectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	a'mazing	a'mazing	a'stonishing	a'stonishing	a'stonishing
'interesting	'interesting	'interesting	dis'couraging	dis'couraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	engi'neer	engi'neer	pamphle'teer	'pamphleteer	pamphle'teer
muske'teer	muske'teer	muske'teer	profi'teer	'profiteer	profi'teer
ciga'rette	'cigarette	cigar'ette	ushe'rette	ushe'rette	ushe'rette
-----	-----	-----	statu'ette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journal'ese	'journalese	journale'se
Vietna'mese	'Vietnamese	Vietna'mese	legal'ese	'legalese	legal'ese
Words containing stress-moving suffixes					
ge'ography	ge'ography	ge'ography	bibli'ography	bibli'ography	bibli'ography
pho'tography	phot'ography	pho'tography	pho'nography	phon'ography	pho'nography
e'lectric	elec'tric	e'lectric	'mythologic	myth'ologic	mytho'logic
fan'tastic	fan'tastic	fan'tastic	he'roic	he'roic	he'roic
de'licious	de'licious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	ma'licious	ma'licious
ce'lebrity	cel'ebrity	ce'lebrity	vi'cinity	vi'cinity	vi'cinity
di'fficulty	'difficulty	'difficulty	lu'cidity	lu'cidity	lu'cidity

This table depicts the best results, which were achieved by pupil n. 4 from 8<sup>th</sup> class. This pupil is one of the very few who had most of the pronunciation part correct, to be exact, she made only 4 mistakes in pronounced stress placement. Overall, she placed the stress correctly 60 times and misplaced it 24 times (pronunciation and marking combined). I asked about this pupil after reviewing the results and was told that she is a very diligent student and achieves good grades in other school subjects too.

Pupil n. 3					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	comf'ort'able	'comfortable	'dependable	depen'dable	de'pendable
'available	avai'lable	a'vailable	'admirable	admir'able	'admirable
'beautiful	'beautiful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	pep'pery	'peppery
'amazing	a'mazing	a'mazing	'astonishing	aston'ishing	a'stonishing
'interesting	interes'ting	'interesting	'discouraging	discou'raging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	en'gineer	engi'neer	'pamphleteer	pam'phleteer	pamphle'teer
'musketeer	mus'keteer	muske'teer	'profiteer	pro'fiteer	profi'teer
cigar'ette	ci'garett	cigar'ette	'usherette	u'sherette	ushe'rette
-----	-----	-----	'statuette	sta'tuette	statu'ette
Ja'panese	'Japanese	Japan'ese	journal'ese	'journal'ese	journa'lese
Vietnam'ese	'Vietnamese	Vietna'mese	legal'ese	le'galese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	bibli'oography	bibli'oography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	elec'tric	e'lectric	'mythologic	mytholo'gic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	he'roic	he'roic
'delicious	deli'cious	de'licious	'gracious	gra'cious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	vicinity	vi'cinity
'difficulty	diffi'culty	'difficulty	'lucidity	lu'cidity	lu'cidity

There were two results with the same number of mistakes. The table above presents the data of a pupil from the 9<sup>th</sup> class. Another one from 7<sup>th</sup> class (pupil n. 6) scored the same results. I chose to show the result from the 9<sup>th</sup> class since the probability of correct stress placement should be better. This is exactly the opposite of the pupil from the 8<sup>th</sup> class, since this one is overall a bit worse pupil and doesn't achieve good grades in other subjects.

#### **4 Comments on the general pronunciation**

I must point out that the results were provided by pupils varying in the skills in English and in overall school results. Although this thesis is about stress placement, I want to quickly point out some other recurring mistakes in pronunciation among most of the pupils, because most of the pupils had hard time pronouncing even the words they were supposed to know. Interestingly, these mistakes were mostly concentrated in the words with stress-moving suffixes. The most common mistake was pronouncing spelt *C* as /ts/ instead of /s/ at the beginning, in the middle and at the end of the word and another very common mistake was pronouncing spelt *G* as /g/ instead of /dʒ/. I find this very surprising. Also, I have heard spelt *J* pronounced as /j/ instead of /dʒ/ few times.

Another common phenomenon was that the better pupils were more influenced by the American pronunciation. This is most noticeable in the words *vicinity* and *lucidity* where the *T* in the suffix was pronounced as “flapped t”, making it sound almost as /d/. A couple of students also had the tendency to pronounce spelt *Y* at the end of the word as neutralized /i/. This was most noticeable in the audio recordings from the pupil number two from 9<sup>th</sup> class and pupil number two from 7<sup>th</sup> class in words *funny*, *carefully*, *powdery*, *peppery*, *vicinity* and *lucidity*.

#### **5 Comments on the stress placement**

The first thing that I found out after reviewing the audio recordings and the written stress-placement is that the age of the respondents did not matter. The best results that I received came from 6<sup>th</sup> and 8<sup>th</sup> class, while some of the worst results came from the 9<sup>th</sup> class. One would expect it to be the other way: that the longer you learn the language the better you are. A possible explanation might be that a maximum difference of only four years is not sufficiently significant. We can surely see some correspondence between stressing the known and unknown words, but the correspondence is noticeable only in the results of students who are generally better, not only in English, but in other subjects too, which I think points to the fact that the kids have a higher intellect. Specifically, I am thinking of pupil n. 1 in 6<sup>th</sup> class and pupil n. 4 in 8<sup>th</sup> class. In those two we can see a high percentage

of correct placement from audio recording and correct placement in the written form as well. Both of these were described by the teacher as excellent students.

Most of the pupils expectably place the stress on the first syllable and the difference between a reduced and a full syllable is minimal, both of which can be attributed to the influence of the mother tongue. Consequently, the position of the stress was sometimes hard to identify, and the words with stress on the first syllable were the most likely ones to be pronounced correctly.

The majority of the participants did not know what stress is, and it was hard to explain it to them in a way that it would not affect the results. I asked the pupils if they knew what stress was and then explained to them that there are differences between Czech and English, but I didn't show them any examples, as I didn't want them to put the stress on the same place as would have been shown in the example. Knowing this, I assume that most of the highlighted syllables marked as stressed in the written part of the research guesses or subconscious, intuitive placements on the first syllable. I also came to the conclusion that stress was more likely to be placed correctly in spoken form than written form, due to the pupils not knowing what stress is.

If we have a look at the stress marking provided by the pupils who did not place it on the first syllable, we can see that there is a tendency to stress the syllables containing consonants that are more prominent, such as the cluster of the consonants *T* and *R* /tr/, which I think shows some similarities with Czech alveolar fricative /r/, *J* or *G* /dʒ/ or a combination of *S* and *H* pronounced as /ʃ/. This shows us that the pupils put some thought into the stress placement, if not always correctly, but those who highlighted the syllables containing the consonants did not pronounce them in the way suggested by graphical marking.

The results from the pupils who participated only in the written part follow the same trend and the percentages are very similar to what we can see in the results from the pupils who participated in both parts. However, there is the question if they would be able to pronounce the words in the manner they marked them, but we can see that mostly the marking doesn't match the factual pronunciation. I was caught by a surprise by the results from the 7<sup>th</sup> class, where there were many cases in which the pupils didn't have much

success overall but managed to stress correctly most of the words containing stress-carrying suffixes in the written form. There were four cases to be exact and the best one stressed eight out of eleven words correctly but had only two words in the stress-neutral category and zero in the stress-moving category. 8<sup>th</sup> class remains a mystery to me, where the overall success rate is the highest just like in the results from pupils taking part in both parts, but on the other hand, there are three results which I found unusable and two results from a student who I think didn't properly understand either the assignment or the stress itself, because both of these two results have stress on the first syllable in every word. There was also one result where the pupil had stressed almost every word on the last syllable. Overall, I categorized five results as unusable, due to the lack of responses in both known and unknown words, in one case the paper was basically empty. These results were not taken into consideration when calculating the percentages, because I think it would corrupt the end results.

## 6 Success rate

I put together all the results and presented them in the form of tables which show how many times each word was correctly stressed in spoken form, how many times each word was correctly stressed in the written form and also how many times the words were correctly stressed in both forms by one pupil. There are three tables for each class "spoken," "written" and "matched correct stress." The last three tables are combinations of all classes together. In the tables we can see how many times each word was pronounced and how many times it was correct, then the last column shows success rate represented in percentage. The following tables focus only on the pupils who participated in both parts of the study. I must clarify some descriptions I used in the following tables. There is a table titled "*Percentage of matched correct stress in 6th class*", which means the percentage of words that were pronounced correctly as well as marked correctly in the written form by the same pupil. Then, in the same table there is a column bearing the description "*placed*", I used this word as a one-word equivalent for *pronounced* and *written*, as in the other tables; the idea was how many times they placed the stress.

## 6.1 6<sup>th</sup> class

Percentage of correct stress placement in spoken form in 6th class							
known				unknown			
word	pron.	correctly	percentage	word	pron.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	2	40,00%	dependable	5	1	20,00%
available	5	3	60,00%	admirable	5	0	0,00%
beautiful	5	5	100,00%	delightful	5	2	40,00%
respectful	5	0	0,00%	resourceful	5	1	20,00%
funny	5	5	100,00%	powdery	5	5	100,00%
carefully	5	5	100,00%	peppery	5	5	100,00%
amazing	5	5	100,00%	astonishing	5	4	80,00%
interesting	5	4	80,00%	discouraging	5	0	0,00%
Words containing stress-carrying suffixes							
engineer	5	2	40,00%	pamphleteer	5	1	20,00%
musketeer	5	1	20,00%	profiteer	5	3	60,00%
cigarette	5	3	60,00%	usherette	5	2	40,00%
-----				statuette	5	0	0,00%
Japanese	5	4	80,00%	journalese	5	2	40,00%
Vietnamese	5	3	60,00%	legalese	5	2	40,00%
Words containing stress-moving suffixes							
geography	5	0	0,00%	bibliography	5	0	0,00%
photography	5	0	0,00%	phonography	5	0	0,00%
electric	5	0	0,00%	mythologic	5	0	0,00%
fantastic	5	1	20,00%	heroic	5	0	0,00%
delicious	5	2	40,00%	gracious	5	5	100,00%
-----				malicious	5	3	60,00%
celebrity	5	1	20,00%	vicinity	5	0	0,00%
difficulty	5	5	100,00%	lucidity	5	0	0,00%

Percentage of correct stress placement in written form in 6th class							
known				unknown			
word	writ.	correctly	percentage	word	writ.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	2	40,00%	dependable	5	1	20,00%
available	5	1	20,00%	admirable	5	4	80,00%
beautiful	5	5	100,00%	delightful	5	1	20,00%
respectful	5	2	40,00%	resourceful	5	2	40,00%

funny	5	4	80,00%	powdery	5	4	80,00%
carefully	5	5	100,00%	peppery	5	3	60,00%
amazing	5	1	20,00%	astonishing	5	1	20,00%
interesting	5	3	60,00%	discouraging	5	1	20,00%
Words containing stress-carrying suffixes							
engineer	5	1	20,00%	pamphleteer	5	1	20,00%
musketeer	5	1	20,00%	profiteer	5	1	20,00%
cigarette	5	2	40,00%	usherette	5	1	20,00%
-----				statuette	5	0	0,00%
Japanese	5	0	0,00%	journalese	5	1	20,00%
Vietnamese	5	2	40,00%	legalese	5	2	40,00%
Words containing stress-moving suffixes							
geography	5	0	0,00%	bibliography	5	0	0,00%
photography	5	0	0,00%	phonography	5	0	0,00%
electric	5	0	0,00%	mythologic	5	0	0,00%
fantastic	5	1	20,00%	heroic	5	0	0,00%
delicious	5	2	40,00%	gracious	5	5	100,00%
-----				malicious	5	0	0,00%
celebrity	5	1	20,00%	vicinity	5	0	0,00%
difficulty	5	5	100,00%	lucidity	5	0	0,00%

Percentage of matched correct stress in 6th class							
known				unknown			
word	placed	correctly	percentage	word	placed	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	2	40,00%	dependable	5	0	0,00%
available	5	2	40,00%	admirable	5	0	0,00%
beautiful	5	5	100,00%	delightful	5	0	0,00%
respectful	5	0	0,00%	resourceful	5	1	20,00%
funny	5	4	80,00%	powdery	5	4	80,00%
carefully	5	5	100,00%	peppery	5	3	60,00%
amazing	5	1	20,00%	astonishing	5	1	20,00%
interesting	5	2	40,00%	discouraging	5	0	0,00%
Words containing stress-carrying suffixes							
engineer	5	0	0,00%	pamphleteer	5	0	0,00%
musketeer	5	0	0,00%	profiteer	5	0	0,00%
cigarette	5	2	40,00%	usherette	5	1	20,00%
-----				statuette	5	0	0,00%

Japanese	5	2	40,00%	journalese	5	2	40,00%
Vietnamese	5	2	40,00%	legalese	5	2	40,00%
Words containing stress-moving suffixes							
geography	5	0	0,00%	bibliography	5	0	0,00%
photography	5	0	0,00%	phonography	5	0	0,00%
electric	5	0	0,00%	mythologic	5	0	0,00%
fantastic	5	0	0,00%	heroic	5	0	0,00%
delicious	5	0	0,00%	gracious	5	5	100,00%
-----				malicious	5	0	0,00%
celebrity	5	0	0,00%	vicinity	5	0	0,00%
difficulty	5	5	100,00%	lucidity	5	0	0,00%

As we can see the most successful words, when we compare how many pupils have correctly stressed the word in pronunciation and in written form, were *beautiful*, *carefully*, *difficulty* and *gracious*; all of these words have stress on the first syllable. We can say that this is rather obvious, because of the Czech stress placement. We can also see that the rest of the stress-moving suffixes part of the table is empty, this occurrence shows us that even the familiar words are hard for them to pronounce. I would suggest it is due to the fact of the words being polysyllabic. Aside from the words that should be unknown to them I think another thing could be that the pupils don't come across these words so often except maybe the words *geography* and *photography*. I would also speculate about the words that are present in Czech that they could affect the stress placement because how little they differ between Czech and English, such as words like already mentioned *geography* and *photography* as well as *electric*, *bibliography* and *celebrity*.

Overall, the stress placement in pronunciation has the highest rate of success. When we put it in numbers 41,43% of the words are pronounced correctly, 31,43% have correctly marked stress and only 24,29% are correctly pronounced and marked. These percentages represent percentage out of hundred for each category, e.g., 41,43% out of 100% in pronunciation. That is why the individual numbers does not add up to a 100%.

## 6.2 7<sup>th</sup> class

Percentage of correct stress placement in spoken form in 7th class							
known				unknown			
word	pron.	correctly	percentage	word	pron.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	6	5	83,33%	dependable	6	1	16,67%
available	6	6	100,00%	admirable	6	0	0,00%
beautiful	6	6	100,00%	delightful	6	1	16,67%
respectful	6	0	0,00%	resourceful	6	0	0,00%
funny	6	6	100,00%	powdery	6	6	100,00%
carefully	6	6	100,00%	peppery	6	6	100,00%
amazing	6	3	50,00%	astonishing	6	1	16,67%
interesting	6	6	100,00%	discouraging	6	1	16,67%
Words containing stress-carrying suffixes							
engineer	6	3	50,00%	pamphleteer	6	1	16,67%
musketeer	6	4	66,67%	profiteer	6	2	33,33%
cigarette	6	1	16,67%	usherette	6	2	33,33%
-----				statuette	6	0	0,00%
Japanese	6	6	100,00%	journalese	6	3	50,00%
Vietnamese	6	5	83,33%	legalese	6	2	33,33%
Words containing stress-moving suffixes							
geography	6	0	0,00%	bibliography	6	0	0,00%
photography	6	0	0,00%	phonography	6	1	16,67%
electric	6	1	16,67%	mythologic	6	1	16,67%
fantastic	6	1	16,67%	heroic	6	0	0,00%
delicious	6	1	16,67%	gracious	6	6	100,00%
-----				malicious	6	3	50,00%
celebrity	6	0	0,00%	vicinity	6	0	0,00%
difficulty	6	6	100,00%	lucidity	6	0	0,00%

Percentage of correct stress placement in written form in 7th class							
known				unknown			
word	writ.	correctly	percentage	word	writ.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	6	4	66,67%	dependable	6	1	16,67%
available	6	3	50,00%	admirable	6	3	50,00%
beautiful	6	4	66,67%	delightful	6	1	16,67%

respectful	6	0	0,00%	resourceful	6	1	16,67%
funny	6	6	100,00%	powdery	6	5	83,33%
carefully	6	5	83,33%	peppery	6	6	100,00%
amazing	6	2	33,33%	astonishing	6	1	16,67%
interesting	6	4	66,67%	discouraging	6	1	16,67%
Words containing stress-carrying suffixes							
engineer	6	0	0,00%	pamphleteer	6	2	33,33%
musketeer	6	2	33,33%	profiteer	6	1	16,67%
cigarette	6	1	16,67%	usherette	6	2	33,33%
-----				statuette	6	1	16,67%
Japanese	6	0	0,00%	journalese	6	1	16,67%
Vietnamese	6	0	0,00%	legalese	6	0	0,00%
Words containing stress-moving suffixes							
geography	6	0	0,00%	bibliography	6	0	0,00%
photography	6	0	0,00%	phonography	6	0	0,00%
electric	6	0	0,00%	mythologic	6	0	0,00%
fantastic	6	0	0,00%	heroic	6	1	16,67%
delicious	6	0	0,00%	gracious	6	6	100,00%
-----				malicious	6	2	33,33%
celebrity	6	0	0,00%	vicinity	6	0	0,00%
difficulty	6	6	100,00%	lucidity	6	0	0,00%

Percentage of matched correct stress in 7th class							
known				unknown			
word	placed	correctly	percentage	word	placed	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	6	4	66,67%	dependable	6	0	0,00%
available	6	3	50,00%	admirable	6	0	0,00%
beautiful	6	4	66,67%	delightful	6	0	0,00%
respectful	6	0	0,00%	resourceful	6	0	0,00%
funny	6	6	100,00%	powdery	6	5	83,33%
carefully	6	5	83,33%	peppery	6	6	100,00%
amazing	6	1	16,67%	astonishing	6	0	0,00%
interesting	6	4	66,67%	discouraging	6	0	0,00%
Words containing stress-carrying suffixes							
engineer	6	0	0,00%	pamphleteer	6	0	0,00%
musketeer	6	1	16,67%	profiteer	6	0	0,00%

cigarette	6	0	0,00%	usherette	6	0	0,00%
-----				statuette	6	0	0,00%
Japanese	6	0	0,00%	journalese	6	0	0,00%
Vietnamese	6	0	0,00%	legalese	6	0	0,00%
Words containing stress-moving suffixes							
geography	6	0	0,00%	bibliography	6	0	0,00%
photography	6	0	0,00%	phonography	6	0	0,00%
electric	6	0	0,00%	mythologic	6	0	0,00%
fantastic	6	0	0,00%	heroic	6	0	0,00%
delicious	6	0	0,00%	gracious	6	6	100,00%
-----				malicious	6	0	0,00%
celebrity	6	0	0,00%	vicinity	6	0	0,00%
difficulty	6	6	100,00%	lucidity	6	0	0,00%

In this class we can see a higher percentage of correctly placed stresses in pronunciation of words containing stress-neutral suffixes. On the other hand, the performance in the matched stress placement is rather poor. Again, the stress-moving suffixes came out as the worst. If we compare it to the 6<sup>th</sup> class, the outcomes are much worse although theoretically should be better since the pupils from 7<sup>th</sup> class have been learning English longer than the ones from 6<sup>th</sup> class.

### 6.3 8<sup>th</sup> class

Percentage of correct stress placement in spoken form in 8th class							
known				unknown			
word	pron.	correctly	percentage	word	pron.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	4	80,00%	dependable	5	1	20,00%
available	5	2	40,00%	admirable	5	2	40,00%
beautiful	5	4	80,00%	delightful	5	2	40,00%
respectful	5	0	0,00%	resourceful	5	0	0,00%
funny	5	4	80,00%	powdery	5	4	80,00%
carefully	5	4	80,00%	peppery	5	4	80,00%
amazing	5	3	60,00%	astonishing	5	1	20,00%
interesting	5	3	60,00%	discouraging	5	1	20,00%

Words containing stress-carrying suffixes							
engineer	5	3	60,00%	pamphleteer	5	2	40,00%
musketeer	5	3	60,00%	profiteer	5	3	60,00%
cigarette	5	3	60,00%	usherette	5	1	20,00%
-----				statuette	5	1	20,00%
Japanese	5	4	80,00%	journalese	5	3	60,00%
Vietnamese	5	5	100,00%	legalese	5	2	40,00%
Words containing stress-moving suffixes							
geography	5	2	40,00%	bibliography	5	2	40,00%
photography	5	1	20,00%	phonography	5	1	20,00%
electric	5	1	20,00%	mythologic	5	0	0,00%
fantastic	5	2	40,00%	heroic	5	1	20,00%
delicious	5	4	80,00%	gracious	5	3	60,00%
-----				malicious	5	2	40,00%
celebrity	5	1	20,00%	vicinity	5	1	20,00%
difficulty	5	2	40,00%	lucidity	5	1	20,00%

Percentage of correct stress placement in written form in 8th class							
known				unknown			
word	writ.	correctly	percentage	word	writ.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	2	40,00%	dependable	5	2	40,00%
available	5	1	20,00%	admirable	5	0	0,00%
beautiful	5	3	60,00%	delightful	5	4	80,00%
respectful	5	2	40,00%	resourceful	5	1	20,00%
funny	5	4	80,00%	powdery	5	3	60,00%
carefully	5	3	60,00%	peppery	5	2	40,00%
amazing	5	2	40,00%	astonishing	5	1	20,00%
interesting	5	2	40,00%	discouraging	5	1	20,00%
Words containing stress-carrying suffixes							
engineer	5	5	100,00%	pamphleteer	5	3	60,00%
musketeer	5	4	80,00%	profiteer	5	2	40,00%
cigarette	5	2	40,00%	usherette	5	4	80,00%
-----				statuette	5	1	20,00%
Japanese	5	3	60,00%	journalese	5	0	0,00%
Vietnamese	5	0	0,00%	legalese	5	0	0,00%
Words containing stress-moving suffixes							
geography	5	1	20,00%	bibliography	5	1	20,00%

photography	5	1	20,00%	phonography	5	1	20,00%
electric	5	0	0,00%	mythologic	5	1	20,00%
fantastic	5	1	20,00%	heroic	5	3	60,00%
delicious	5	1	20,00%	gracious	5	2	40,00%
-----				malicious	5	2	40,00%
celebrity	5	1	20,00%	vicinity	5	1	20,00%
difficulty	5	2	40,00%	lucidity	5	1	20,00%

Percentage of matched correct stress in 8th class							
known				unknown			
word	placed	correctly	percentage	word	placed	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	2	40,00%	dependable	5	1	20,00%
available	5	1	20,00%	admirable	5	0	0,00%
beautiful	5	3	60,00%	delightful	5	2	40,00%
respectful	5	0	0,00%	resourceful	5	0	0,00%
funny	5	3	60,00%	powdery	5	3	60,00%
carefully	5	3	60,00%	peppery	5	2	40,00%
amazing	5	2	40,00%	astonishing	5	1	20,00%
interesting	5	3	60,00%	discouraging	5	1	20,00%
Words containing stress-carrying suffixes							
engineer	5	3	60,00%	pamphleteer	5	1	20,00%
musketeer	5	2	40,00%	profiteer	5	1	20,00%
cigarette	5	1	20,00%	usherette	5	1	20,00%
-----				statuette	5	0	0,00%
Japanese	5	1	20,00%	journalese	5	0	0,00%
Vietnamese	5	0	0,00%	legalese	5	0	0,00%
Words containing stress-moving suffixes							
geography	5	1	20,00%	bibliography	5	1	20,00%
photography	5	1	20,00%	phonography	5	1	20,00%
electric	5	0	0,00%	mythologic	5	0	0,00%
fantastic	5	0	0,00%	heroic	5	1	20,00%
delicious	5	1	20,00%	gracious	5	2	40,00%
-----				malicious	5	1	20,00%
celebrity	5	1	20,00%	vicinity	5	1	20,00%
difficulty	5	1	20,00%	lucidity	5	1	20,00%

The 8<sup>th</sup> class had by far the best results combined and also the best results from a single pupil. To be exact, pupil n. 4. If we look at the percentages, the average percentage of correctly stressed words both spoken and written is pretty high, but not so much from the other, but what I find interesting in this class is that the success rate is much more levelled compared to the other classes.

If we compare 6<sup>th</sup> and 8<sup>th</sup> class, we can see that in the 8<sup>th</sup> class there are more words pronounced correctly, but with a lower success and in the 6<sup>th</sup> class there are less words pronounced correctly, but the success rate of the respective words is higher. Here we also have zero words with 100% success rate.

#### 6.4 9<sup>th</sup> class

Percentage of correct stress placement in spoken form in 9th class							
known				unknown			
word	pron.	correctly	percentage	word	pron.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	4	80,00%	dependable	5	1	20,00%
available	5	4	80,00%	admirable	5	2	40,00%
beautiful	5	5	100,00%	delightful	5	1	20,00%
respectful	5	2	40,00%	resourceful	5	0	0,00%
funny	5	5	100,00%	powdery	5	5	100,00%
carefully	5	4	80,00%	peppery	5	4	80,00%
amazing	5	2	40,00%	astonishing	5	1	20,00%
interesting	5	4	80,00%	discouraging	5	1	20,00%
Words containing stress-carrying suffixes							
engineer	5	2	40,00%	pamphleteer	5	1	20,00%
musketeer	5	2	40,00%	profiteer	5	1	20,00%
cigarette	5	2	40,00%	usherette	5	1	20,00%
-----				statuette	5	0	0,00%
Japanese	5	1	20,00%	journalese	5	1	20,00%
Vietnamese	5	3	60,00%	legalese	5	2	40,00%
Words containing stress-moving suffixes							
geography	5	0	0,00%	bibliography	5	0	0,00%
photography	5	0	0,00%	phonography	5	0	0,00%
electric	5	0	0,00%	mythologic	5	0	0,00%

fantastic	5	0	0,00%	heroic	5	0	0,00%
delicious	5	0	0,00%	gracious	5	5	100,00%
-----				malicious	5	0	0,00%
celebrity	5	0	0,00%	vicinity	5	1	20,00%
difficulty	5	4	80,00%	lucidity	5	1	20,00%

Percentage of correct stress placement in written form in 9th class							
known				unknown			
word	writ.	correctly	percentage	word	writ.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	5	1	20,00%	dependable	5	0	0,00%
available	5	1	20,00%	admirable	5	1	20,00%
beautiful	5	3	60,00%	delightful	5	3	60,00%
respectful	5	1	20,00%	resourceful	5	3	60,00%
funny	5	4	80,00%	powdery	5	3	60,00%
carefully	5	3	60,00%	peppery	5	1	20,00%
amazing	5	1	20,00%	astonishing	5	0	0,00%
interesting	5	1	20,00%	discouraging	5	2	40,00%
Words containing stress-carrying suffixes							
engineer	5	2	40,00%	pamphleteer	5	1	20,00%
musketeer	5	2	40,00%	profiteer	5	2	40,00%
cigarette	5	2	40,00%	usherette	5	2	40,00%
-----				statuette	5	1	20,00%
Japanese	5	2	40,00%	journalese	5	1	20,00%
Vietnamese	5	2	40,00%	legalese	5	2	40,00%
Words containing stress-moving suffixes							
geography	5	0	0,00%	bibliography	5	1	20,00%
photography	5	0	0,00%	phonography	5	1	20,00%
electric	5	1	20,00%	mythologic	5	1	20,00%
fantastic	5	0	0,00%	heroic	5	3	60,00%
delicious	5	0	0,00%	gracious	5	1	20,00%
-----				malicious	5	1	20,00%
celebrity	5	1	20,00%	vicinity	5	0	0,00%
difficulty	5	2	40,00%	lucidity	5	1	20,00%

Percentage of matched correct stress in 9th class							
known				unknown			
word	placed	correctly	percentage	word	placed	correctly	percentage

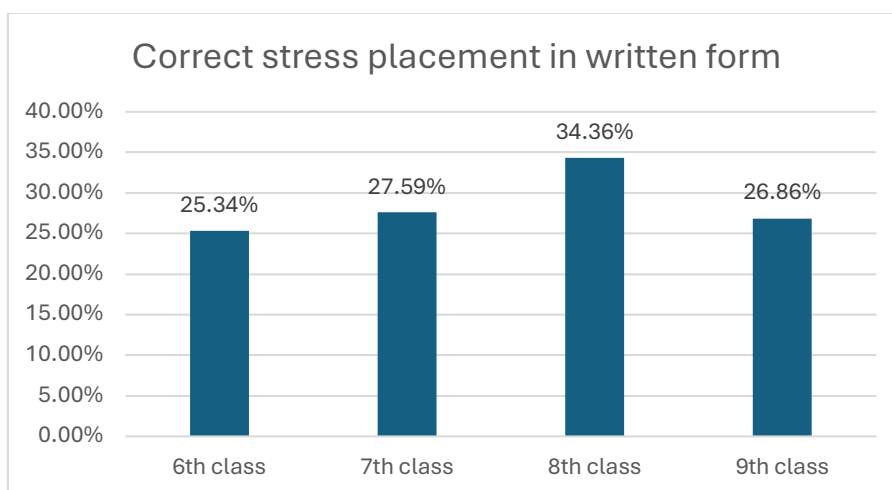
Words containing stress-neutral suffixes							
comfortable	5	1	20,00%	dependable	5	0	0,00%
available	5	1	20,00%	admirable	5	0	0,00%
beautiful	5	3	60,00%	delightful	5	1	20,00%
respectful	5	0	0,00%	resourceful	5	0	0,00%
funny	5	4	80,00%	powdery	5	3	60,00%
carefully	5	2	40,00%	peppery	5	1	20,00%
amazing	5	0	0,00%	astonishing	5	0	0,00%
interesting	5	1	20,00%	discouraging	5	1	20,00%
Words containing stress-carrying suffixes							
engineer	5	2	40,00%	pamphleteer	5	1	20,00%
musketeer	5	1	20,00%	profiteer	5	1	20,00%
cigarette	5	1	20,00%	usherette	5	1	20,00%
-----				statuette	5	0	0,00%
Japanese	5	0	0,00%	journalese	5	0	0,00%
Vietnamese	5	0	0,00%	legalese	5	0	0,00%
Words containing stress-moving suffixes							
geography	5	0	0,00%	bibliography	5	0	0,00%
photography	5	0	0,00%	phonography	5	0	0,00%
electric	5	0	0,00%	mythologic	5	0	0,00%
fantastic	5	0	0,00%	heroic	5	0	0,00%
delicious	5	0	0,00%	gracious	5	1	20,00%
-----				malicious	5	0	0,00%
celebrity	5	0	0,00%	vicinity	5	0	0,00%
difficulty	5	2	40,00%	lucidity	5	1	20,00%

The results of the 9<sup>th</sup> class are very poor. Maybe the pupils that volunteered were the weaker ones, because only the words *beautiful*, *funny*, *powdery* and *gracious* were pronounced correctly, which all have stress on the first syllable. This only supports the fact that Czech pupils tend to stress the first syllable. I would expect the results to get better with each class, and I have a theory why it is not so, which I will explain in chapter 7.

## 6.5 Success rate of the pupils participating in the written part

As already mentioned in section 5 Comments on the stress placement, the most successful class was the 8<sup>th</sup> and the best result is from the 8<sup>th</sup> class as well. However, the best result is only 55% correct. The collective success of the 8<sup>th</sup> class is 34,36%, which is a very similar percentage compared to the result of written part from pupils participating in both. In the written part the worst results and the least success rate came from the 6<sup>th</sup> class as opposed to the results from both parts, where the worst was the 9<sup>th</sup> class. The best result from 6<sup>th</sup> class is only 43% of correctly stressed words. The collective success is 6% lower compared to the pupils taking part in both parts. 7<sup>th</sup> class is the only class, where all of the result were usable and judging by the results all of the pupils understood the assignment and the percentage of success corresponds with the results from the pupils participating in both parts.

Generally, most of the correctly stressed words were the ones containing word-neutral suffix, then stress-carrying suffixes, which were overall surprisingly successful and the least successful was the stress-moving category.



## 7 Overall success rate of the pupils participating in both parts

Percentage of correct stress placement in spoken form							
known				unknown			
word	pron.	correctly	percentage	word	pron.	correctly	percentage
Words containing stress-neutral suffixes							

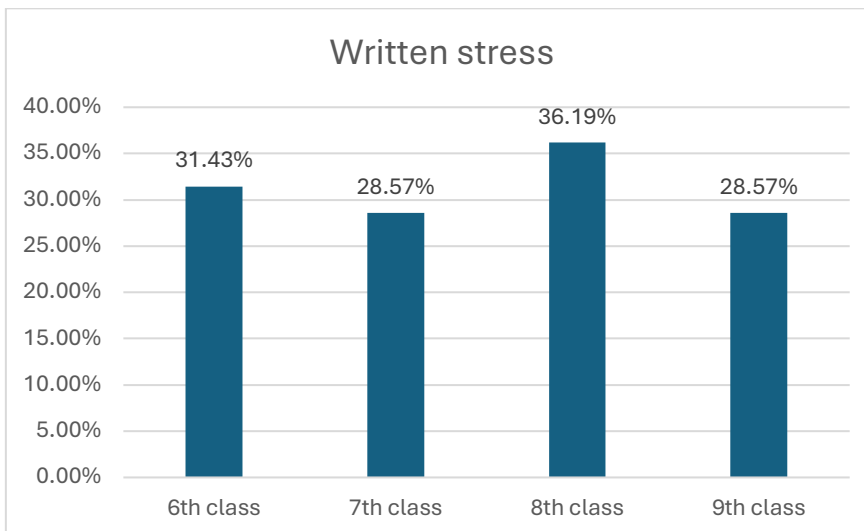
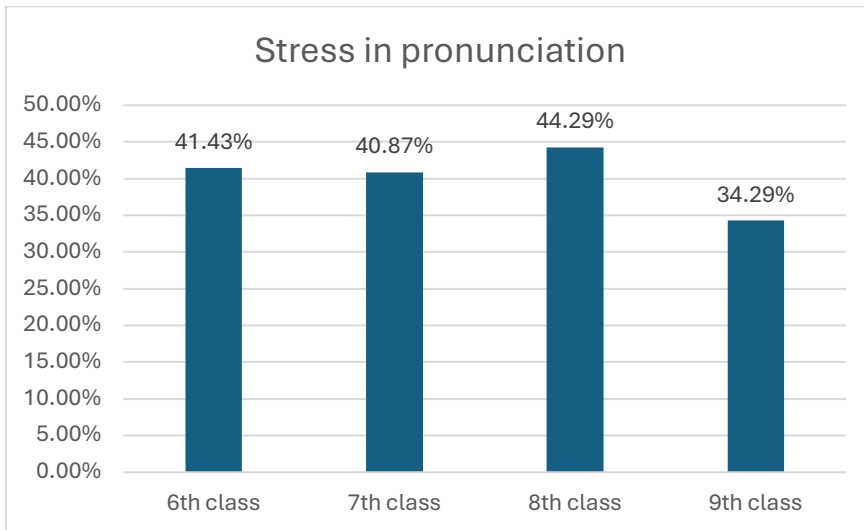
comfortable	22	15	68,18%	dependable	22	4	18,18%
available	22	15	68,18%	admirable	22	4	18,18%
beautiful	22	20	90,91%	delightful	22	6	27,27%
respectful	22	2	9,09%	resourceful	22	1	4,55%
funny	22	20	90,91%	powdery	22	20	90,91%
carefully	22	19	86,36%	peppery	22	19	86,36%
amazing	22	13	59,09%	astonishing	22	7	31,82%
interesting	22	17	77,27%	discouraging	22	3	13,64%
Words containing stress-carrying suffixes							
engineer	22	10	45,45%	pamphleteer	22	5	22,73%
musketeer	22	10	45,45%	profiteer	22	9	40,91%
cigarette	22	9	40,91%	usherette	22	6	27,27%
-----				statuette	22	1	4,55%
Japanese	22	15	68,18%	journalese	22	9	40,91%
Vietnamese	22	16	72,73%	legalese	22	8	36,36%
Words containing stress-moving suffixes							
geography	22	2	9,09%	bibliography	22	2	9,09%
photography	22	1	4,55%	phonography	22	2	9,09%
electric	22	2	9,09%	mythologic	22	1	4,55%
fantastic	22	4	18,18%	heroic	22	1	4,55%
delicious	22	7	31,82%	gracious	22	19	86,36%
-----				malicious	22	8	36,36%
celebrity	22	2	9,09%	vicinity	22	2	9,09%
difficulty	22	17	77,27%	lucidity	22	2	9,09%

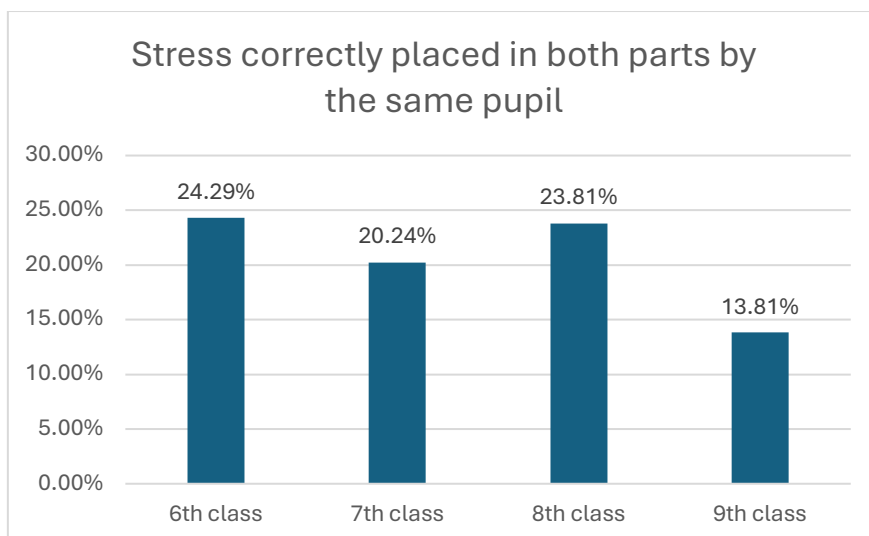
Percentage of correct stress placement in written form							
known				unknown			
word	writ.	correctly	percentage	word	writ.	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	22	9	40,91%	dependable	22	4	18,18%
available	22	6	27,27%	admirable	22	8	36,36%
beautiful	22	15	68,18%	delightful	22	9	40,91%
respectful	22	5	22,73%	resourceful	22	7	31,82%
funny	22	18	81,82%	powdery	22	15	68,18%
carefully	22	16	72,73%	peppery	22	12	54,55%
amazing	22	6	27,27%	astonishing	22	3	13,64%
interesting	22	10	45,45%	discouraging	22	5	22,73%
Words containing stress-carrying suffixes							

engineer	22	8	36,36%	pamphleteer	22	7	31,82%
musketeer	22	9	40,91%	profiteer	22	6	27,27%
cigarette	22	7	31,82%	usherette	22	9	40,91%
-----				statuette	22	3	13,64%
Japanese	22	5	22,73%	journalese	22	3	13,64%
Vietnamese	22	4	18,18%	legalese	22	4	18,18%
Words containing stress-moving suffixes							
geography	22	1	4,55%	bibliography	22	2	9,09%
photography	22	1	4,55%	phonography	22	2	9,09%
electric	22	1	4,55%	mythologic	22	2	9,09%
fantastic	22	2	9,09%	heroic	22	7	31,82%
delicious	22	3	13,64%	gracious	22	14	63,64%
-----				malicious	22	5	22,73%
celebrity	22	3	13,64%	vicinity	22	1	4,55%
difficulty	22	15	68,18%	lucidity	22	2	9,09%

Percentage of matched correct stress							
known				unknown			
word	placed	correctly	percentage	word	placed	correctly	percentage
Words containing stress-neutral suffixes							
comfortable	22	9	40,91%	dependable	22	1	4,55%
available	22	7	31,82%	admirable	22	0	0,00%
beautiful	22	15	68,18%	delightful	22	3	13,64%
respectful	22	0	0,00%	resourceful	22	1	4,55%
funny	22	17	77,27%	powdery	22	15	68,18%
carefully	22	15	68,18%	peppery	22	12	54,55%
amazing	22	4	18,18%	astonishing	22	2	9,09%
interesting	22	10	45,45%	discouraging	22	2	9,09%
Words containing stress-carrying suffixes							
engineer	22	5	22,73%	pamphleteer	22	2	9,09%
musketeer	22	4	18,18%	profiteer	22	2	9,09%
cigarette	22	4	18,18%	usherette	22	3	13,64%
-----				statuette	22	0	0,00%
Japanese	22	3	13,64%	journalese	22	2	9,09%
Vietnamese	22	2	9,09%	legalese	22	2	9,09%
						0	
Words containing stress-moving suffixes							
geography	22	1	4,55%	bibliography	22	1	4,55%
photography	22	1	4,55%	phonography	22	1	4,55%

electric	22	0	0,00%	mythologic	22	0	0,00%
fantastic	22	0	0,00%	heroic	22	1	4,55%
delicious	22	1	4,55%	gracious	22	14	63,64%
-----				malicious	22	1	4,55%
celebrity	22	1	4,55%	vicinity	22	1	4,55%
difficulty	22	14	63,64%	lucidity	22	2	9,09%





These three graphs show us that the long-term skills are falling, which is exactly the opposite of what we try to achieve in schools. We must keep in mind that this study is very limited and that only one school has participated. Maybe I would have achieved different results if I specifically had chosen the best from each class. Another aspect is how much the pupils are exposed to English outside of school, which could affect stress placement in words like *cigarette* where the stress in American English is on the first syllable instead of on the ultimate as in British English. I don't have specific information about the students and how much English they consume outside of school, but I can judge it by my family members who are in this age group. As far as I know, this generation is heavily influenced by celebrities, who can be actors, influencers, athletes or musicians, which I think is the most probable case. Thus, I highly doubt school being their only source of English. Although the exposure to English might be substantial it doesn't mean that the pupils will learn the pronunciation. If I compare pronunciation skills of my sister and my wife's cousin, who are basically the same age, the cousin's skills are far better than my sister's. My explanation to this and the struggles of pupils in general is that some people have a less sensitive sense of hearing and cannot distinguish the difference between stressed and unstressed syllable and also the fact that stress in Czech is relatively insignificant, which leads to people ignoring the stress completely. Unfortunately, pupils with this kind of problem are unable to learn the right stress placement or it takes them much longer. Another factor in this is that the older we get the worse our hearing gets. Another factor is the pronunciation of teachers, which affects the pronunciation of the pupils as well, even more if school is the

only source. As far as I know, both teachers of the pupils participating in the research have great pronunciation, although I haven't spent much time with them to judge it properly.

## **8 Suggestion for practicing stress placement at elementary school**

I found a CEFR document from 2016 by Enrica Piccardo called Phonological Scale Revision Process Report that focuses on improving the 2001 CEFR document (Piccardo, 2016), where the phonological part was insufficient. However, CEFR doesn't take word stress placement in consideration for levels A1 and A2. The document suggests that A1 and A2 learners reproduce memorized phrases and thus learning word stress placement would be overwhelming, the main focus is on the pronunciation of individual sounds and making themselves intelligible. Prosody is only introduced at level B1 and even the B1 level is categorized as being influenced by the mother tongue and other languages. So, it is up to the teacher if they want to somehow practice the word stress placement with the pupils.

My suggestion for practicing the stress placement would be first of all to pay more attention to correct pronunciation of individual syllables, because many of the pupils struggled with pronunciation of syllables, vowels and consonant they should without a doubt know; a great example is pronouncing spelt C as /ts/ at the end of the word *heroic*.

If I abstract from these mistakes and pretend that they have no problems with pronunciation of vowels and consonants, then I would suggest these solutions. A simple one would be just taking the words from current topic in the textbook and clapping to the rhythm of the words and pronouncing the words in chorus. This is not my idea, I took this exercise from a lesson at the JCU German department. However, this exercise has one flaw and that is the rhythm part, where some pupils may struggle with matching the pace of others. Another solution could be more frequent exposure to spoken English by a native speaker, like films or music, as well as more talking in general. Another interesting activity could be the pupils presenting on topics, which could be specified or up to the pupil, and the main goal would be to prepare the presentation not from a text, but from videos on this topic and memorizing some phrases used in the video. The listeners would be assigned to focus and choose one word that has been mispronounced and correct the presenter. In the end the class could go through the phrases and repeat the phrase together a few times.

## 9 Summary

The topic of this thesis is the use of analogy in lexical stress placement in English. The goal of this thesis was to find out how much or if elementary school pupils, between the age 15 and 12, are able to use analogy in stress placement in an unknown words based on the stress placement in a known word. The insignificancy and monotony of stress placement in Czech plays a huge role in placining the stress in English. Another factor is the reduction of syllables, which is basically absent in Czech, while plays major role in English. So, the Czech speaker would naturally stress the first syllable in an unknown word. This thesis supported this fact and showed the gaps in correct pronunciation of words they should know, according to Cambridge English list of A2 words, as well as showing the inability of using analogy in stressing a new word. The categorization of pupils according to the respective class they are in, wasn't a deciding factor of success, because the most successful class was the 8<sup>th</sup>. Correct stress placement was mostly placed correctly in words with stress on the first syllable and that were known to the pupils. Unknown words were stressed mostly incorrectly, unless they had stress on the first syllable, and sometimes mispronounced completely, due to the inability to stress them on the right syllable.

CEFR doesn't suggest learning word stress on this level of English and focuses on pupils reproducing remembered phrases instead, which is valid, but teaching and learning stress from the beginning would simplify learning the stress later in the studies. The solution to this is ambitions of the teacher if they want to enrich their English classes and teach the pupils more than what is required.

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## 11 Appendix

Here we have all of the results from the pupils who participated in both oral a written part. The results from the rest, who participated only in the written part, were counted and turned into percentages.

### 11.1 6<sup>th</sup> class

Pupil n. 1					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
comfor'table	com'fortable	'comfortable	'dependable	de'pendable	de'pendable
a'vailable	a'vailable	a'vailable	ad'mirable	'admirable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	re'spectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	a'mazing	a'mazing	a'stonishing	a'stonishing	a'stonishing
'interesting	in'teresting	'interesting	discou'raging	di'scouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	en'gineer	engi'neer	pamph'leteer	pamph'leteer	pamphle'teer
mus'keteer	mus'keteer	muske'teer	profi'teer	'profiteer	profi'teer
cigar'ette	cigar'ette	cigar'ette	ushe'rette	usher'ette	ushe'rette
-----	-----	-----	sta'tuette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journ'a'lese	'journalese	journ'a'lese
Vietna'mese	'Vietnamese	Vietna'mese	lega'lese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	geo'graphy	ge'o'graphy	'bibliography	biblio'graphy	bibli'o'graphy
'photography	photo'graphy	pho'tography	'phonography	phono'graphy	pho'nography
'electric	elec'tric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	'malicious	ma'licious
celebri'ty	cele'bri'ty	ce'lebrity	vicini'ty	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

36 times correct 19 times in pronunciation and 17 times in written form. 48 times incorrect (pronunciation and written form combined).

Pupil n. 2					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
comfor'table	com'fortable	'comfortable	depen'dable	'dependable	de'pendable
a'vailable	'available	a'vailable	admira'ble	'admirable	'admirable
'beautiful	'beautiful	'beautiful	de'lightful	delight'ful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	fun'ny	'funny	'powdery	pow'dery	'powdery
'carefully	'carefully	'carefully	'peppery	peppe'ry	'peppery
a'mazing	ama'zing	a'mazing	a'stonishing	'astonishing	a'stonishing
'interesting	in'teresting	'interesting	discourag'ing	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
en'gineer	engi'neer	engi'neer	'pamphleteer	pamphle'teer	pamphle'teer
'musketeer	muske'teer	muske'teer	pro'fiteer	profi'teer	profi'teer
ciga'rette	ciga'rette	cigar'ette	u'sherette	ushe'rette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
'Japanese	'Japanese	Japan'ese	'journalese	'journalese	journa'lese
'Vietnamese	'Vietnamese	Vietna'mese	le'galese	lega'lese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	biblio'graphy	bibli'ography
'photography	photo'graphy	pho'tography	'phonography	phono'graphy	pho'nography
'electric	'electric	e'lectric	myt'hologic	'mythologic	mytho'logic
'fantastic	fanta'stic	fan'tastic	he'roic	'heroic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	vicin'ity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	luci'dity	lu'cidity

23 times correct 13 times in pronunciation and 10 times in written form. 61 times incorrect (pronunciation and written form combined). The explanation of the illogical stress-placement in the word *admirable* lies in the pronunciation: the pupil pronounced the word as /ʌd.mɪr.ə'ble/ instead of /'æd.mər.ə.bəl/.

Pupil n. 3	
known	unknown

pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	'dependable	'dependable	de'pendable
'available	'available	a'vailable	ad'mirable	'admirable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	'delightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	'amazing	a'mazing	a'stonishing	'astonishing	a'stonishing
in'teresting	'interesting	'interesting	discou'raging	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
en'gineer	'engineer	engi'neer	pamph'leteer	'pamphleteer	pamphle'teer
'musketeer	'musketeer	muske'teer	profi'teer	'profiteer	profi'teer
cigaret'te	ci'garette	cigar'ette	usheret'te	'usherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	'journalese	'journalese	journale'se
Vietname'se	'Vietnamese	Vietna'mese	'legalese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'ography	'bibliography	'bibliography	bibli'ography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
de'licious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	'malicious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

24 times correct 14 times in pronunciation and 10 times in written form. 60 times incorrect (pronunciation and written form combined).

Pupil n. 4					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	de'pendable	'dependable	de'pendable
a'vailable	'available	a'vailable	ad'mirable	'admirable	'admirable
'beautiful	'beautiful	'beautiful	de'lightful	'delightful	de'lightful
'respectful	re'spectful	re'spectful	re'sourceful	re'sourceful	re'sourceful

'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	'amazing	a'mazing	a'stonishing	'astonishing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	'engineer	engi'neer	pamphle'teer	'pamphleteer	pamphle'teer
muske'teer	'musketeer	muske'teer	profi'teer	'profiteer	profi'teer
cigar'ette	'cigarette	cigar'ette	ushe'rette	'usherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Japan'ese	Japa'nese	Japan'ese	journale'se	'journalese	journale'se
Vietna'mese	Vietna'mese	Vietna'mese	Legal'ese	lega'lese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'o'graphy	'bibliography	'bibliography	bibli'o'graphy
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
fan'tastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
de'licious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	mali'cious	ma'licious
ce'lebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

42 times correct 28 times in pronunciation and 14 times in written form. 42 times incorrect (pronunciation and written form combined).

Pupil n. 5					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
comfor'table	com'fortable	'comfortable	depen'dable	dependa'ble	de'pendable
avai'lable	availa'ble	a'vailable	admi'rable	admira'ble	'admirable
'beautiful	'beautiful	'beautiful	'delightful	'delightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	pepper'y	'peppery
a'mazing	'amazing	a'mazing	'astonishing	astoni'shing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	discou'raging	di'scouraging
Words containing stress-carrying suffixes					

'engineer	'engineer	engi'neer	'pamphleteer	pamphle'teer	pamphle'teer
'musketeer	'musketeer	muske'teer	'profiteer	profi'teer	profi'teer
'cigarette	'cigarette	cigar'ette	usheret'te	'usherette	ushe'rette
-----	-----	-----	'statuette	statu'ette	statu'ette
Japan'ese	Japa'nese	Japan'ese	journal'ese	journal'ese	journal'ese
Vietna'mese	Vietna'mese	Vietna'mese	lega'lese	le'galese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	'bibliography	bibli'ography
'photography	'photography	pho'tography	'phonography	phonogra'phy	pho'nography
'electric	'electric	e'lectric	'mythologic	mytholo'gic	mytho'logic
'fantastic	fan'tastic	fan'tastic	'heroic	hero'ic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	vicini'ty	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	lucidi'ty	lu'cidity

24 times correct 12 times in pronunciation and 12 times in written form. 60 times incorrect (pronunciation and written form combined).

## 11.2 7<sup>th</sup> class

Pupil n. 1					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comf'ortable	de'pendable	'dependable	de'pendable
a'vailable	'available	a'vail'able	admira'ble	admir'able	'admirable
'beautiful	'beautiful	'beauti'ful	'delightful	'delightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	resource'ful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	'amazing	a'maz'ing	asto'nishing	astoni'shing	a'stonishing
'interesting	interes'ting	'interest'ing	discou'raging	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	'engineer	engi'neer	'pamphleteer	pamphle'teer	pamphle'teer
muske'teer	'musketeer	muske'teer	profi'teer	'profiteer	profi'teer
cigare'tte	'cigarette	cigar'ette	usheret'te	usher'ette	ushe'rette
-----	-----	-----	statuet'te	'statuette	statu'ette

Japan'ese	Japan'ese	Japan'ese	'journalese	journal'ese	journal'ese
Vietnam'ese	Vietna'mese	Vietna'mese	'legalese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'ography	'bibliography	'bibliography	bibli'ography
'photography	'photography	pho'tography	'phonography	phono'graphy	pho'nography
e'lectric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
fan'tastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
de'licious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	'malicious	ma'licious
cele'brity	'celebrity	ce'lebrity	vicini'ty	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

32 times correct 20 times in pronunciation and 12 times in written form. 52 times incorrect (pronunciation and written form combined). The explanation of the illogical stress-placement in the word *admirable* lies in the pronunciation: the pupil pronounced the word as /ʌd.mɪr.ə'ble/ instead of /'æd.mər.ə.bəl/.

Pupil n. 2					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
comfor'table	com'fortable	'comfortable	'dependable	'dependable	de'pendable
a'vailable	a'vailable	a'vailable	admi'rable	ad'mirable	'admirable
'beautiful	beauti'ful	'beautiful	'delightful	delight'ful	de'lightful
'respectful	respect'ful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	pow'dery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
'amazing	'amazing	a'mazing	'astonishing	asto'nishing	a'stonishing
'interesting	interes'ting	'interesting	'discouraging	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	en'gineer	engi'neer	'pamphleteer	pamphle'teer	pamphle'teer
'musketeer	muske'teer	muske'teer	'profiteer	profi'teer	profi'teer
'cigarette	cigar'ette	cigar'ette	'usherette	usher'ette	ushe'rette
-----	-----	-----	'statuette	statu'ette	statu'ette
Japan'ese	'Japanese	Japan'ese	'journalese	'journalese	journal'ese
'Vietnamese	'Vietnamese	Vietna'mese	'legalese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	geo'graphy	ge'ography	'bibliography	biblio'graphy	bibli'ography

'photography	photo'graphy	pho'tography	pho'nography	phono'graphy	pho'nography
'electric	elec'tric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	fantas'tic	fan'tastic	'heroic	he'roic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	ma'licious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	vicini'ty	vi'cinity
'difficulty	di'fficulty	'difficulty	'lucidity	lucidi'ty	lu'cidity

23 times correct 11 times in pronunciation and 12 times in written form. 61 times incorrect (pronunciation and written form combined).

Pupil n. 3					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	'dependable	de'pendable	de'pendable
a'vailable	a'vailable	a'vailable	admi'rabable	ad'mirable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
'amazing	a'mazing	a'mazing	'astonishing	a'stonishing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	dis'couraging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	'engineer	engi'neer	'pamphleteer	'pamphleteer	pamphle'teer
muske'teer	'musketeer	muske'teer	'profiteer	'profiteer	profi'teer
ciga'rette	'cigarette	cigar'ette	'usherette	'usherette	ushe'rette
-----	-----	-----	'statuette	s'tatuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journ'a'lese	'journalese	journ'a'lese
Vietna'mese	'Vietnamese	Vietna'mese	legal'ese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	'bibliography	bibli'oography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
'delicious	de'licious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	ma'licious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity

'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity
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32 times correct 15 times in pronunciation and 17 times in written form. 52 times incorrect (pronunciation and written form combined).

Pupil n. 4					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	'dependable	'dependable	de'pendable
a'vailable	'available	a'vailable	admi'rabable	'admirable	'admirable
'beautiful	'beautiful	'beautiful	de'lightful	'delightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	a'mazing	a'mazing	a'stonishing	'astonishing	a'stonishing
'interesting	'interesting	'interesting	dis'couraging	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	'engineer	engi'neer	'pamphleteer	pam'phleteer	pamphle'teer
muske'teer	'musketeer	muske'teer	pro'fiteer	'profiteer	profi'teer
'cigarette	'cigarette	cigar'ette	ushe'rette	'usherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journal'ese	'journalese	journale'se
Vietnam'ese	'Vietnamese	Vietna'mese	legal'ese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'o'graphy	'bibliography	'bibliography	bibli'o'graphy
'photography	'photography	pho'to'graphy	'phonography	'phonography	pho'n'o'graphy
'electric	'electric	e'lectric	mytho'logic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	'malicious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

31 times correct 20 times in pronunciation and 11 times in written form. 53 times incorrect (pronunciation and written form combined).

Pupil n. 5					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	comforta'ble	'comfortable	'dependable	'dependable	de'pendable
a'vailable	a'vailable	a'vailable	ad'mirable	'admirable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	'delightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	'amazing	a'mazing	'astonishing	'astonishing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	'discouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	'engineer	engi'neer	pamphle'teer	'pamphleteer	pamphle'teer
muske'teer	muske'teer	muske'teer	profi'teer	'profiteer	profi'teer
'cigarette	'cigarette	cigar'ette	'usherette	'usherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journal'ese	'journalese	journale'se
Vietnam'ese	'Vietnamese	Vietna'mese	legale'se	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'o'graphy	'bibliography	'bibliography	bibli'o'graphy
'photography	'photography	pho'to'graphy	'phonography	phonogra'phy	pho'no'graphy
'electric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	'malicious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

28 times correct 17 times in pronunciation and 11 times in written form. 56 times incorrect (pronunciation and written form combined).

Pupil n. 6					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	de'pendable	'dependable	de'pendable
a'vailable	'available	a'vailable	admira'ble	'admirable	'admirable

'beautiful	beauti'ful	'beautiful	'delightful	'delightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	care'fully	'carefully	'peppery	'peppery	'peppery
'amazing	'amazing	a'mazing	'astonishing	'astonishing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	discou'raging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	'engineer	engi'neer	'pamphleteer	'pamphleteer	pamphle'teer
'musketeer	'musketeer	muske'teer	'profiteer	'profiteer	profi'teer
'cigarette	'cigarette	cigar'ette	ushe'rette	'usherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	'journalese	'journalese	journal'ese
Vietna'mese	'Vietnamese	Vietna'mese	le'galese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	'bibliography	bibli'oography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	'electric	e'lectric	mytholo'gic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	'malicious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

22 times correct 14 times in pronunciation and 8 times in written form. 62 times incorrect (pronunciation and written form combined).

### 11.3 8<sup>th</sup> class

Pupil n. 1					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	'dependable	'dependable	de'pendable
'available	'available	a'vailable	'admirable	admi'rable	'admirable
'beautiful	beauti'ful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	re'spectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	pep'pery	'peppery

'amazing	'amazing	a'mazing	'astonishing	'astonishing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	discoura'ging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	engi'neer	engi'neer	pamph'leteer	'pamphleteer	pamphle'teer
'musketeer	muske'teer	muske'teer	pro'fiteer	profi'teer	profi'teer
'cigarette	'cigarette	cigar'ette	'usherette	'usherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
'Japanese	'Japanese	Japan'ese	'journalese	'journalese	journa'lese
Vietna'mese	'Vietnamese	Vietna'mese	'legalese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	biblio'graphy	bibli'ography
'photography	'photography	pho'tography	phono'graphy	phono'graphy	pho'nography
'electric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	fanta'stic	fan'tastic	'heroic	'heroic	he'roic
de'licious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	'malicious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

24 times correct 12 times in pronunciation and 12 times in written form. 60 times incorrect (pronunciation and written form combined).

Pupil n. 2					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	com'fortable	'comfortable	de'pendable	de'pendable	de'pendable
a'vailable	a'vailable	a'vailable	ad'mirable	ad'mirable	'admirable
'beautiful	beau'tiful	'beautiful	de'lightful	delight'ful	de'lightful
'respectful	respect'ful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	care'fully	'carefully	'peppery	'peppery	'peppery
a'mazing	ama'zing	a'mazing	a'stonishing	a'stonishing	a'stonishing
'interesting	in'teresting	'interesting	'discouraging	di'scouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	engi'neer	engi'neer	pamphle'teer	pamphle'teer	pamphle'teer
muske'teer	muske'teer	muske'teer	profi'teer	profi'teer	profi'teer

ciga'rette	cigar'ette	cigar'ette	usheret'te	ushe'rette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journal'ese	jour'nalese	journal'ese
Vietna'mese	'Vietnamese	Vietna'mese	lega'lese	le'galese	legal'ese
Words containing stress-moving suffixes					
'geography	geo'graphy	ge'oography	'bibliography	bibliogra'phy	bibli'oography
'photography	photogra'phy	pho'tography	'phonography	'phonography	pho'nography
'electric	elec'tric	e'lectric	'mythologic	'mythologic	mytho'logic
fan'tastic	fanta'stic	fan'tastic	'heroic	he'roic	he'roic
de'licious	deli'cious	de'licious	'gracious	gra'cious	'gracious
-----	-----	-----	ma'licious	ma'licious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	'vicinity	vi'cinity
di'fficulty	diffi'culty	'difficulty	'lucidity	luci'dity	lu'cidity

39 times correct 23 times in pronunciation and 16 times in written form. 45 times incorrect (pronunciation and written form combined).

Pupil n.3					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	comfor'table	'comfortable	'dependable	de'pendable	de'pendable
'available	av'ailable	a'vailable	'admirable	admi'rabable	'admirable
'beautiful	'beautiful	'beautiful	de'lightful	de'lightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	'resourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	care'fully	'carefully	'peppery	peppe'ry	'peppery
a'mazing	'amazing	a'mazing	'astonishing	astoni'shing	a'stonishing
'interesting	interes'ting	'interesting	'discouraging	discoura'ging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	engi'neer	engi'neer	'pamphleteer	pamphle'teer	pamphle'teer
'musketeer	'musketeer	muske'teer	pro'fiteer	'profiteer	profi'teer
'cigarette	ciga'rette	cigar'ette	'usherette	usher'ette	ushe'rette
-----	-----	-----	'statuette	statu'ette	statu'ette
Japan'ese	'Japanese	Japan'ese	'journal'ese	jou'rnalese	journal'ese
Vietna'mese	'Vietnamese	Vietna'mese	'legalese	le'galese	legal'ese
Words containing stress-moving suffixes					

'geography	'geography	ge'ography	'bibliography	'bibliography	bibli'ography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	elec'tric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	fanta'stic	fan'tastic	'heroic	hero'ic	he'roic
de'licious	deli'cious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	'malicious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	vici'nity	vi'cinity
di'fficulty	diffi'culty	'difficulty	'lucidity	luci'dity	lu'cidity

23 times correct 14 times in pronunciation and 9 times in written form. 61 times incorrect (pronunciation and written form combined).

Pupil n. 4					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	'comfortable	'comfortable	de'pendable	de'pendable	de'pendable
a'vailable	a'vailable	a'vailable	ad'mirable	ad'mirable	'admirable
'beautiful	'beautiful	'beautiful	de'lightful	de'lightful	de'lightful
'respectful	res'pectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	a'mazing	a'mazing	a'stonishing	a'stonishing	a'stonishing
'interesting	'interesting	'interesting	dis'couraging	dis'couraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	engi'neer	engi'neer	pamphle'teer	'pamphleteer	pamphle'teer
muske'teer	muske'teer	muske'teer	profi'teer	'profiteer	profi'teer
ciga'rette	'cigarette	cigar'ette	ushe'rette	ushe'rette	ushe'rette
-----	-----	-----	statu'ette	'statuette	statu'ette
Japan'ese	'Japanese	Japan'ese	journal'ese	'journalese	journalese
Vietna'mese	'Vietnamese	Vietna'mese	legal'ese	'legalese	legal'ese
Words containing stress-moving suffixes					
ge'ography	ge'ography	ge'ography	bibli'ography	bibli'ography	bibli'ography
pho'tography	phot'ography	pho'tography	pho'nography	phon'ography	pho'nography
e'lectric	elec'tric	e'lectric	'mythologic	myth'ologic	mytho'logic
fan'tastic	fan'tastic	fan'tastic	he'roic	he'roic	he'roic
de'licious	de'licious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	ma'licious	ma'licious	ma'licious

ce'lebrity	cel'ebrity	ce'lebrity	vi'cinity	vi'cinity	vi'cinity
di'fficulty	'difficulty	'difficulty	lu'cidity	lu'cidity	lu'cidity

60 times correct 34 times in pronunciation and 26 times in written form. 24 times incorrect (pronunciation and written form combined).

Pupil n. 5					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	com'fortable	'comfortable	'dependable	'dependable	de'pendable
a'vailable	'available	a'vailable	ad'mirable	admi'rabable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	re'spectful	re'spectful	'resourceful	resource'ful	re'sourceful
'funny	'funny	'funny	'powdery	pow'dery	'powdery
'carefully	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	a'mazing	a'mazing	'astounding	astoni'shing	a'stonishing
'interesting	interes'ting	'interesting	'discouraging	discou'raging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	engi'neer	engi'neer	pamph'leteer	pamphle'teer	pamphle'teer
muske'teer	muske'teer	muske'teer	profi'teer	'profiteer	profi'teer
cigar'ette	'cigarette	cigar'ette	usheret'te	ushe'rette	ushe'rette
-----	-----	-----	statuet'te	'statuette	statu'ette
Japan'ese	Japa'nese	Japan'ese	journale'se	'journalese	journale'se
Vietna'mese	'Vietnamese	Vietna'mese	'legalese	le'galese	legal'ese
Words containing stress-moving suffixes					
ge'oography	'geography	ge'oography	bibli'oography	'bibliography	bibli'oography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	'electric	e'lectric	'mythologic	mytho'logic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	he'roic	he'roic
'delicious	deli'cious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	celebri'ty	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	diffi'culty	'difficulty	'lucidity	luci'dity	lu'cidity

34 times correct 20 times in pronunciation and 14 times in written form. 50 times incorrect (pronunciation and written form combined).

## 11.49<sup>th</sup> class

Pupil n. 1					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	com'fortable	'comfortable	'dependable	depen'dable	de'pendable
'available	'available	a'vailable	'admirable	admira'ble	'admirable
'beautiful	beau'tiful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	resource'ful	re'sourceful
'funny	'funny	'funny	'powdery	powde'ry	'powdery
'carefully	care'fully	'carefully	'peppery	peppe'ry	'peppery
'amazing	ama'zing	a'mazing	'astonishing	'astonishing	a'stonishing
'interesting	'interesting	'interesting	'discouraging	discoura'ging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	'engineer	engi'neer	'pamphleteer	'pamphleteer	pamphle'teer
'musketeer	muske'teer	muske'teer	'profiteer	profi'teer	profi'teer
'cigarette	cigar'ette	cigar'ette	'usherette	'usherette	ushe'rette
-----	-----	-----	'statuette	statu'ette	statu'ette
Japan'ese	'Japanese	Japan'ese	'journalese	'journalese	journale'se
Vietna'mese	'Vietnamese	Vietna'mese	le'galese	legal'ese	legal'ese
Words containing stress-moving suffixes					
'geography	geo'graphy	ge'oography	'bibliography	'bibliography	bibli'oography
'photography	photo'graphy	pho'tography	'phonography	pho'nography	pho'nography
'electric	e'lectric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	'heroic	he'roic
de'licious	'delicious	de'licious	'gracious	gra'cious	'gracious
-----	-----	-----	'malicious	'malicious	ma'licious
'celebrity	ce'lebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	'lucidity	lu'cidity

25 times correct 13 times in pronunciation and 12 times in written form. 59 times incorrect (pronunciation and written form combined).

Pupil n. 2					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					

'comfortable	'comfortable	'comfortable	de'pendable	'dependable	de'pendable
a'vailable	'available	a'vailable	ad'mirable	'admirable	'admirable
'beautiful	beauti'ful	'beautiful	de'lightful	de'lightful	de'lightful
re'spectful	respect'ful	re'spectful	'resourceful	resource'ful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	care'fully	'carefully	pep'pery	pep'pery	'peppery
'amazing	'amazing	a'mazing	'astonishing	astoni'shing	a'stonishing
'interesting	interes'ting	'interesting	'discouraging	dis'couraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	engi'neer	engi'neer	pamphle'teer	pamphle'teer	pamphle'teer
muske'teer	muske'teer	muske'teer	'profiteer	profi'teer	profi'teer
'cigarette	'cigarette	cigar'ette	'usherette	u'sherette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
'Japanese	Japan'ese	Japan'ese	'journalese	'journalese	journal'ese
'Vietnamese	Vietna'mese	Vietna'mese	'legalese	'legalese	legal'ese
Words containing stress-moving suffixes					
'geography	geogra'phy	ge'oography	'bibliography	bibliogra'phy	bibli'oography
'photography	photogra'phy	pho'tography	'phonography	phonogra'phy	pho'nography
'electric	elec'tric	e'lectric	'mythologic	mytholo'gic	mytho'logic
'fantastic	fantas'tic	fan'tastic	'heroic	'heroic	he'roic
de'licious	deli'cious	de'licious	'gracious	gra'cious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	cele'briety	ce'lebrity	vi'cinity	vici'nity	vi'cinity
di'fficulty	difficul'ty	'difficulty	'lucidity	luci'dity	lu'cidity

27 times correct 16 times in pronunciation and 11 times in written form. 57 times incorrect (pronunciation and written form combined).

Pupil n. 3					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	comf'ort'able	'comfortable	'dependable	depen'dable	de'pendable
'available	avai'lable	a'vailable	'admirable	admir'able	'admirable
'beautiful	'beautiful	'beautiful	'delightful	de'lightful	de'lightful
'respectful	'respectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	pep'pery	'peppery

'amazing	a'mazing	a'mazing	'astonishing	aston'ishing	a'stonishing
'interesting	interes'ting	'interesting	'discouraging	discou'raging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	en'gineer	engi'neer	'pamphleteer	pam'phleteer	pamphle'teer
'musketeer	mus'keteer	muske'teer	'profiteer	pro'fiteer	profi'teer
cigar'ette	ci'garette	cigar'ette	'usherette	u'sherette	ushe'rette
-----	-----	-----	'statuette	sta'tuette	statu'ette
Ja'panese	'Japanese	Japan'ese	'journalese	'journalese	journa'lese
Vietnam'ese	'Vietnamese	Vietna'mese	legal'ese	le'galese	legal'ese
Words containing stress-moving suffixes					
'geography	'geography	ge'oography	'bibliography	bibli'ography	bibli'ography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	elec'tric	e'lectric	'mythologic	mytholo'gic	mytho'logic
'fantastic	'fantastic	fan'tastic	'heroic	he'roic	he'roic
'delicious	deli'cious	de'licious	'gracious	gra'cious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	vicinity	vi'cinity
'difficulty	diffi'culty	'difficulty	'lucidity	lu'cidity	lu'cidity

22 times correct 12 times in pronunciation and 10 times in written form. 62 times incorrect (pronunciation and written form combined).

Pupil n. 4					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
comfor'table	com'fortable	'comfortable	'dependable	depen'dable	de'pendable
a'vailable	avail'able	a'vailable	admi'rable	adm'irable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	'delightful	de'lightful
'respectful	re'spectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	'funny	'funny	'powdery	pow'dery	'powdery
careful'ly	'carefully	'carefully	'peppery	'peppery	'peppery
a'mazing	'amazing	a'mazing	a'stonishing	asto'nishing	a'stonishing
in'teresting	inte'resting	'interesting	'discouraging	discou'raging	di'scouraging
Words containing stress-carrying suffixes					
'engineer	'engineer	engi'neer	pamph'leteer	pamph'leteer	pamphle'teer
'musketeer	'musketeer	muske'teer	'profiteer	'profiteer	profi'teer

ciga'rette	cigar'ette	cigar'ette	ushe'rette	ushe'rette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
'Japanese	Japan'ese	Japan'ese	'journalese	journal'ese	journal'ese
'Vietnamese	Vietna'mese	Vietna'mese	'legalese	legal'ese	legal'ese
Words containing stress-moving suffixes					
'geography	geogr'aphy	ge'ography	'bibliography	bibliogr'aphy	bibli'ography
'photography	photogr'aphy	pho'tography	'phonography	phonogr'aphy	pho'nography
'electric	'electric	e'lectric	my'thologic	mytho'logic	mytho'logic
'fantastic	'fantastic	fan'tastic	hero'ic	he'roic	he'roic
'delicious	'delicious	de'licious	'gracious	gra'cious	'gracious
-----	-----	-----	'malicious	mali'cious	ma'licious
'celebrity	cele'briety	ce'lebrity	'vicinity	vici'nity	vi'cinity
'difficulty	'difficulty	'difficulty	'lucidity	luci'dity	lu'cidity

25 times correct 10 times in pronunciation and 15 times in written form. 59 times incorrect (pronunciation and written form combined).

Pupil n. 5					
known			unknown		
pronounced	highlighted	correct pos.	pronounced	highlighted	correct pos.
Words containing stress-neutral suffixes					
'comfortable	comfor'table	'comfortable	'dependable	'dependable	de'pendable
a'vailable	a'vailable	a'vailable	ad'mirable	ad'mirable	'admirable
'beautiful	'beautiful	'beautiful	'delightful	'delightful	de'lightful
re'spectful	'respectful	re'spectful	'resourceful	re'sourceful	re'sourceful
'funny	fun'ny	'funny	'powdery	'powdery	'powdery
'carefully	'carefully	'carefully	'peppery	pep'pery	'peppery
a'mazing	'amazing	a'mazing	'astounding	asto'nishing	a'stonishing
'interesting	in'teresting	'interesting	di'scouraging	di'scouraging	di'scouraging
Words containing stress-carrying suffixes					
engi'neer	engi'neer	engi'neer	pamph'leteer	pamph'leteer	pamphle'teer
muske'teer	'musketeer	muske'teer	profi'teer	profi'teer	profi'teer
'cigarette	'cigarette	cigar'ette	'usherette	ushe'rette	ushe'rette
-----	-----	-----	'statuette	'statuette	statu'ette
Ja'panese	'Japanese	Japan'ese	journal'ese	'journalese	journal'ese
Vietna'mese	'Vietnamese	Vietna'mese	legal'ese	'legalese	legal'ese
Words containing stress-moving suffixes					

'geography	'geography	ge'ography	'bibliography	'bibliography	bibli'ography
'photography	'photography	pho'tography	'phonography	'phonography	pho'nography
'electric	'electric	e'lectric	'mythologic	'mythologic	mytho'logic
'fantastic	fantas'tic	fan'tastic	'heroic	he'roic	he'roic
'delicious	'delicious	de'licious	'gracious	'gracious	'gracious
-----	-----	-----	'malicious	ma'licious	ma'licious
'celebrity	'celebrity	ce'lebrity	'vicinity	'vicinity	vi'cinity
'difficulty	di'fficulty	'difficulty	lu'cidity	lu'cidity	lu'cidity

32 times correct 19 times in pronunciation and 13 times in written form. 52 times incorrect (pronunciation and written form combined).