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**THE RELATIONSHIP BETWEEN VOCABULARY LEARNING
STRATEGIES AND VOCABULARY SIZE AMONG ARAB EFL
LEARNERS**



**MASTER IN APPLIED LINGUISTICS
UNIVERSITI UTARA MALAYSIA
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Awang Had Salleh
Graduate School
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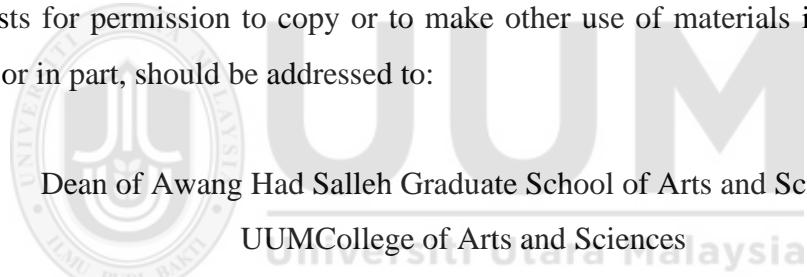
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Abstrak

Kajian ini menyelidik amalan pembelajaran perbendaharaan kata dalam kalangan pelajar sekolah menengah Syria yang mempelajari Bahasa Inggeris sebagai Bahasa Asing (BIBA). Kajian ini bertujuan untuk mencapai beberapa objektif utama: meneliti jenis strategi pembelajaran perbendaharaan kata yang paling kerap digunakan oleh pelajar BIBA sekolah menengah Syria, menganggarkan saiz perbendaharaan kata mereka, menilai hubungan antara strategi pembelajaran perbendaharaan kata dengan saiz perbendaharaan kata, serta meneroka cabaran yang dihadapi oleh pelajar dalam mempelajari perbendaharaan kata baharu dalam Bahasa Inggeris. Kajian ini menggunakan gabungan kaedah kuantitatif dan kualitatif, termasuk tinjauan mengenai strategi pembelajaran perbendaharaan kata, ujian saiz perbendaharaan kata, dan perbincangan kumpulan fokus. Hasil kajian menunjukkan bahawa strategi sosial merupakan strategi pembelajaran yang paling kerap digunakan, manakala strategi kognitif merupakan yang paling kurang digunakan. Pelajar juga menunjukkan saiz perbendaharaan kata yang terhad. Terdapat juga korelasi yang signifikan antara penggunaan strategi pembelajaran perbendaharaan kata dengan saiz perbendaharaan kata peserta, yang menekankan keberkesanan pembelajaran strategik dalam penguasaan perbendaharaan kata. Data kualitatif turut mengenal pasti cabaran utama dalam pembelajaran perbendaharaan kata, termasuk pendedahan yang tidak mencukupi kepada Bahasa Inggeris, kesukaran dalam memahami dan menggunakan perbendaharaan kata, serta isu sebutan dan ejaan. Data kualitatif juga mendedahkan beberapa strategi yang diambil inisiatif oleh pelajar untuk menangani cabaran ini, termasuk sokongan digital secara kendiri, teknik pengulangan dan hafalan, serta pembelajaran secara sosial dan kontekstual. Secara keseluruhannya, kajian ini mencadangkan penggunaan teknologi, penggalakan aktiviti bahasa luar bilik darjah, dan penekanan kepada pengajaran perbendaharaan kata secara berkontekstual.

Kata Kunci: Strategi pembelajaran kosa kata, Saiz kosa kata, Perbendaharaan kata reseptif, Pelajar EFL sekolah menengah, Syri

Abstract

This study investigated the vocabulary learning practices among Syrian secondary school students studying English as a Foreign Language (EFL). The study aimed to achieve several key objectives: to examine the types of vocabulary learning strategies most frequently used by Syrian secondary school EFL learners, to estimate their vocabulary size, to assess the relationship between vocabulary learning strategies and vocabulary size, and to explore the challenges that the students face in learning new English vocabulary. The study employed a combination of quantitative and qualitative methods, including a survey on vocabulary learning strategies, a vocabulary size test, and a focus group discussion. The results revealed that the social strategies were the most frequently used learning strategies, while the cognitive strategies were the least used strategies. The students also exhibited limited vocabulary size. A significant correlation was also found between the use of vocabulary learning strategies and participants' vocabulary size, highlighting the effectiveness of strategic learning in vocabulary learning. The qualitative data also identified major challenges in vocabulary learning, including insufficient exposure to English, difficulties in understanding and using vocabulary, and issues with pronunciation and spelling. The qualitative data also revealed several learner-initiated strategies to cope with these issues, which include self-directed digital support, repetition and memorization techniques, and social and contextual learning. Overall, the study recommends integrating technology, promoting extracurricular language activities, and focusing on contextualized vocabulary instruction.

Keywords: Vocabulary learning strategies, Vocabulary size, Receptive vocabulary, Secondary school EFL learners, Syria

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”بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ“

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List of Abbreviations

EFL	English as a Foreign Language
ESL	English as a Second Language
LLS	Language Learning Strategies
SLA	Second Language Acquisition
VLS	Vocabulary Learning Strategies
VLSQ	Vocabulary Learning Strategies Questionnaire
VS	Vocabulary Size
VST	Vocabulary Size Test



CHAPTER ONE

INTRODUCTION

1.1 Introduction

This chapter provides a general overview of the research area that the present study aims to investigate. It presents the background information and research problem in the existing literature, states the research objectives and questions, highlights the significance of the research, outlines its scope, and explains the definitions of the key terms needed to understand the topic.

1.2 Background

Vocabulary learning is one of the major difficulties that foreign language learners encounter during the acquisition of language (Alsahafi, 2023; Minalla, 2024). Vocabulary size (VS) has also been acknowledged as one of the most crucial parts of language use, where inadequacy in this knowledge may lead to difficulties in language comprehension (Alshehri, 2023; Alzahrani et al., 2021; Uchihara & Clenton, 2020).

Mastering vocabulary in English as a Foreign Language (EFL) is one of the most arduous tasks that EFL learners have to face during learning, specifically when daily exposure to language use is very limited and vocabulary knowledge does not happen in a spontaneous and natural context (Fan, 2003; Gu & Johnson, 1996; Nation, 2013). It is well known that the role of vocabulary knowledge in language learning and language use has been widely discussed in the literature and a lack of it will be liable to bring a whole range of difficulties

References

Aizawa, I., Rose, H., Thompson, G., & Curle, S. (2020). Beyond the threshold: Exploring English language proficiency, linguistic challenges, and academic language skills of Japanese students in an English medium instruction programme. *Language teaching research*, 1362168820965510.

Ajisoko, P. (2020). The use of Duolingo apps to improve English vocabulary learning. *International Journal of Emerging Technologies in Learning (iJET)*, 15(7), 149-155.

Al-Abri, A., Ranjbaran Madiseh, F., & Morady Moghaddam, M. (2025). Exploring learning-oriented assessment in enhancing students' lexical fluency through MALL. *The Asia-Pacific Education Researcher*, 34(1), 1-13.

Al-Khasawneh, F. (2019a). The Impact of Vocabulary Knowledge on the Reading Comprehension of Saudi EFL. *Journal of Language & Education Volume*, 5(3).

Al-Khasawneh, F. (2019b). The impact of vocabulary knowledge on the reading comprehension of Saudi EFL learners. *Journal of Language and Education*, 5(3 (19)), 24-34.

Al-Nujaidi, A. H. (2003). *Relationship between vocabulary size, reading strategies, and reading comprehension of EFL learners in Saudi Arabia* Oklahoma State University].

Al-Omairi, M. (2020a). The Use of Vocabulary Learning Strategies by EFL and EAP Undergraduate University Learners' in the Iraqi Context. *Arab World English Journal (AWEJ) Special Issue on the English Language in Iraqi Context*.

Al-Omairi, M. (2020b). The use of vocabulary learning strategies by EFL and EAP undergraduate university learners' in the Iraqi context. *Arab World English Journal (AWEJ) Special Issue on the English Language in Iraqi Context*, 111-120. <https://doi.org/10.24093/awej/elt2.7>

Al-Shujairi, Y. B. J., Rahman, A., & Yuepeng, M. (2019). Vocabulary size and vocabulary learning strategy among Chinese undergraduates at Universiti Putra Malaysia. *Journal of Modern Languages*, 29.

Al-Fraidan, A., & Alamdar, E. F. (2024). Vocabulary learning strategies of university students: The case of preparatory year students and English major students. *Porta Linguarum: revista internacional de didáctica de las lenguas extranjeras*(41), 4.

Alahmad, G. (2020a). Vocabulary Learning Strategies and their Relation to Vocabulary Size in Saudi Female Undergraduate EFL Learners. *International Journal of Linguistics, Literature and Translation*, 3(6), 208-213.

Alahmad, G. (2020b). Vocabulary learning strategies and their relation to vocabulary size in Saudi female undergraduate EFL learners. *International Journal of Linguistics, Literature and Translation*, 3(6), 218-223.

Alahmadi, A., & Foltz, A. (2020). Effects of Language Skills and Strategy Use on Vocabulary Learning Through Lexical Translation and Inferencing. *J Psycholinguist Res*, 49(6), 975-991. <https://doi.org/10.1007/s10936-020-09720-9>

Alahmadi, A., Shank, C., & Foltz, A. (2018). Vocabulary learning strategies and vocabulary size: Insights from educational level and learner styles. *Vocabulary Learning and Instruction*, 7(1), 1-21.

Alario-Hoyos, C., Estévez-Ayres, I., Pérez-Sanagustín, M., Kloos, C. D., & Fernández-Panadero, C. (2017). Understanding learners' motivation and learning strategies in MOOCs. *The International Review of Research in Open and Distributed Learning*, 18(3).

Aldoukhi, H., Hamzah, N. H., & Shangeetha, R. (2024). *Language maintenance and shift among the Syrian community in Malaysia*. Springer.

Alfadil, M. (2020). Effectiveness of virtual reality game in foreign language vocabulary acquisition. *Computers & education*, 153, 103893.

Almalki, N., & Algethami, G. (2022). An exploration of the potential benefit of extensive listening along with orthography for improving EFL learners' pronunciation. *Asian-Pacific Journal of Second and Foreign Language Education*, 7(1), 3.

Alnan, A., & Halim, H. A. (2024). Examining vocabulary learning strategies and vocabulary size among Syrian EFL learners. *Indonesian Journal of Applied Linguistics*, 14(1), 12-25.

Alqarni, I. R. (2017). Saudi English Major Freshmen Students' Vocabulary Learning Strategies: An Exploratory Study. *International Journal of Applied Linguistics and English Literature*, 7(1). <https://doi.org/10.7575/aiac.ijalel.v.7n.1p.141>

Alsaifi, M. (2023). The Relationship Between Depth of Academic English Vocabulary Knowledge and Academic Success of Second Language University Students. *SAGE Open*, 13(1), 21582440231153342.

Alshammari, S. R. (2020). Efl Vocabulary Learning Strategies Used by Saudi Arabia University Students. *Advanced Education*, 7(16), 28-38. <https://doi.org/10.20535/2410-8286.202436>

Alsharif, R. (2022). Relationship between Vocabulary Learning Strategies and Vocabulary Size: Evidence from Saudi Female EFL Learners. *International Journal of Education and Literacy Studies*, 10(1), 188-197.

Alshehri, A. (2023). The Impact of Vocabulary Size on the Receptive Skills of Saudi EFL Learners. *World Journal of English Language*, 13(7), 108-108.

Altalhab, S. (2019). The Vocabulary Knowledge of Saudi EFL Tertiary Students. *English Language Teaching*, 12(5). <https://doi.org/10.5539/elt.v12n5p55>

Altun, M., & Ahmad, H. K. (2021). The use of technology in English language teaching: a literature review. *International Journal of Social Sciences & Educational Studies*, 8(1), 226.

Alzahrani, S. A., Rashid, S. M., Fung, Y. M., & Jalaluddin, I. (2021). The Relationship between Vocabulary Size and Reading Comprehension: A Case Study on Saudi High School EFL Learners. *Psychology and Education Journal*, 58(4), 315-319.

Alzubi, A. A., Nazim, M., & Ahmad, J. (2024). Examining the effect of a collaborative learning intervention on EFL students' English learning and social interaction. *Journal of Pedagogical Research*, 8(2), 26-46.

Ameen Mahmood, A. M., & Arslan, F. Y. J. A. W. E. J. V. (2017). The Relationship between Iraqi EFL Learners' Vocabulary Learning Strategies Use and Their Receptive Vocabulary Size. 8.

Amiri, M., Restegar, H., Shomoossi, N., & Ghoorchaei, B. (2023). The Impact of Podcasts on Students' English Vocabulary Knowledge and Satisfaction: A Quasi-Experimental Study. *Interdisciplinary Journal of Virtual Learning in Medical Sciences*, 14(2), 120-129.

Anderson, N. J. (1999). *Exploring second language reading: Issues and strategies*. Heinle & Heinle Boston, MA.

Antia, S. D., Catalano, J. A., Rivera, M. C., & Creamer, C. (2021a). Explicit and Contextual Vocabulary Intervention: Effects on Word and Definition Learning. *The Journal of Deaf Studies and Deaf Education*.

Antia, S. D., Catalano, J. A., Rivera, M. C., & Creamer, C. (2021b). Explicit and Contextual Vocabulary Intervention: Effects on Word and Definition Learning. *The Journal of Deaf Studies and Deaf Education*, 26(3), 381-394. <https://doi.org/10.1093/deafed/enab002>

Astika, I. G. (2016). Vocabulary learning strategies of secondary school students. *IJOTL-TL: Indonesian Journal of Language Teaching and Linguistics*, 1(1), 1-18.

Atkinson, R. C., & Shiffrin, R. M. (1968). Human Memory: A Proposed System and its Control Processes. In K. W. Spence & J. T. Spence (Eds.), *Psychology of Learning and Motivation* (Vol. 2, pp. 89-195). Academic Press. [https://doi.org/https://doi.org/10.1016/S0079-7421\(08\)60422-3](https://doi.org/https://doi.org/10.1016/S0079-7421(08)60422-3)

Aziz, A. A., & Kashinathan, S. (2021). ESL learners' challenges in speaking English in Malaysian classroom. *Development*, 10(2), 983-991.

Azzolini, D., Campregher, S., & Madia, J. (2022). Formal instruction vs informal exposure. What matters more for teenagers' acquisition of English as a second language? *Research Papers in Education*, 37(2), 153-181.

Baharudin, H., & Ismail, Z. (2014). Vocabulary Learning Strategies and Arabic Vocabulary Size among Pre-University Students in Malaysia. *International Education Studies*, 7(13), 219-226.

Barcroft, J. (2009). Effects of synonym generation on incidental and intentional L2 vocabulary learning during reading. *TESOL quarterly*, 43(1), 79-103.

Bauer, L., & Nation, P. (1993). Word families. *International Journal of Lexicography*, 6(4), 253-279.

Baumann, J. F., Dillon, D. R., Shockley, B., Alvermann, D. E., & Reinking, D. (2012). Perspectives for literacy research. In *Developing engaged readers in school and home communities* (pp. 217-245). Routledge.

Beck, I. L., McKeown, M. G., & Kucan, L. (2013). *Bringing words to life: Robust vocabulary instruction*. Guilford Press.

Beglar, D., & Nation, P. (2013). Assessing vocabulary. *The companion to language assessment*, 1, 172-184.

Behforouz, B., & Al Ghaithi, A. (2022). Omani EFL Learners Vocabulary Learning Strategies. *Arab World English Journal (AWEJ) Volume*, 13.

Benson, P. (2013). *Teaching and researching: Autonomy in language learning*. Routledge.

Bernhardt, E. (2005). Progress and procrastination in second language reading. *Annual Review of Applied Linguistics*, 25, 133-150.

Çakmak, F., Namaziandost, E., & Kumar, T. (2021). CALL-Enhanced L2 Vocabulary Learning: Using Spaced Exposure through CALL to Enhance L2 Vocabulary Retention. *Education research international*, 2021(1), 5848525.

Capin, P., Vaughn, S., Miller, J. E., Miciak, J., Fall, A.-M., Roberts, G., Cho, E., Barth, A. E., Steinle, P. K., & Fletcher, J. M. (2024). Investigating the reading profiles of middle school emergent bilinguals with significant reading comprehension difficulties. *Scientific studies of reading*, 28(2), 190-213.

Carter, R., & McCarthy, M. (2014). *Vocabulary and language teaching*. Routledge.

Catalan, R. M. J. (2003). Sex differences in L2 vocabulary learning strategies. *International Journal of Applied Linguistics*, 13(1), 54-77.

Catts, H. W. (2022). Rethinking How to Promote Reading Comprehension. *American Educator*, 45(4), 26.

Cengizhan, L. (2011). Vocabulary learning strategies: A case of Edirne Anatolian high school. *Procedia-Social and Behavioral Sciences*, 15, 1870-1874.

Chamot, A. U., & Kupper, L. (1989). Learning strategies in foreign language instruction. *Foreign language annals*, 22(1), 13-22.

Chou, M.-H. (2024). Validating the vocabulary learning strategies used by English as a Foreign Language university students in Taiwan. *RELC Journal*, 55(1), 128-143.

Cohen, A. D. (2011). Second language learner strategies. *Handbook of research in second language teaching and learning*, 2(Part V), 681-698.

Cohen, J. (2013). *Statistical power analysis for the behavioral sciences*. Routledge.

Collier, V. P. (1989). How long? A synthesis of research on academic achievement in a second language. *TESOL quarterly*, 23(3), 509-531.

Cook, L. K., & Mayer, R. E. (1983). Reading strategies training for meaningful learning from prose. In *Cognitive strategy research* (pp. 87-131). Springer.

Cook, V. J. (2014). *The English writing system*. Routledge.

Cooper, M. (1984). Linguistic competence of practiced and unpracticed non-native readers of English. *Reading in a foreign language*, 122-138.

Coxhead, A. (2000). A new academic word list. *TESOL quarterly*, 34(2), 213-238.

Creswell, J. W. (2009). *Research design: Qualitative, quantitative, and mixed methods approaches*, 3rd ed. Sage Publications, Inc.

Daaboul, M. M., & Nimehchisalem, V. (2017). Investigating EFL Syrian Undergraduates' Vocabulary Size. *Malaysian Journal of Languages and Linguistics (MJLL)*, 6(1), 1-9.

Daaboulis, M. M., Nimehchisalem, V., & Jubier, M. M. (2018). Investigating EFL Undergraduates' Vocabulary Learning Strategies (VLSs) at a University in Syria. *Journal of Modern Languages*, 28, 99-117.

Dagnaw, A. T. (2023). Revisiting the role of breadth and depth of vocabulary knowledge in reading comprehension. *Cogent Education*, 10(1), 2217345. <https://doi.org/10.1080/2331186X.2023.2217345>

Dandee, W., & Pornwiriyakit, P. (2022). Improving English pronunciation skills by using English phonetic alphabet drills in EFL students. *Journal of Educational Issues*, 8(1), 611-628.

David, A. (2008). Vocabulary breadth in French L2 learners. *Language Learning Journal*, 36(2), 167-180.

De Wilde, V., Brysbaert, M., & Eyckmans, J. (2020). Learning English through out-of-school exposure. Which levels of language proficiency are attained and which types of input are important? *Bilingualism: language and cognition*, 23(1), 171-185.

Derwing, T. M., Waugh, E., & Munro, M. J. (2021). Pragmatically speaking: Preparing adult ESL students for the workplace. *Applied Pragmatics*, 3(2), 107-135.

Dickinson, D. K., Nesbitt, K. T., Collins, M. F., Hadley, E. B., Newman, K., Rivera, B. L., Ilgez, H., Nicolopoulou, A., Golinkoff, R. M., & Hirsh-Pasek, K. (2019). Teaching for breadth and depth of vocabulary knowledge: Learning from explicit and implicit instruction and the storybook texts. *Early Childhood Research Quarterly*, 47, 341-356.

Dixon, R. M., & Aikhenvald, A. Y. (2003). *Word: A cross-linguistic typology*. Cambridge University Press.

Dodigovic, M., Gasparyan, R., Torosyan, S., & Karamanoukian, M. A. (2020). Vocabulary Size and Strategies of English Learners in Armenia: What the Research Says. *Vocabulary in Curriculum Planning: Needs, Strategies and Tools*, 77-101.

Dong, Y., Tang, Y., Chow, B. W.-Y., Wang, W., & Dong, W.-Y. (2020). Contribution of Vocabulary Knowledge to Reading Comprehension Among Chinese Students: A Meta-Analysis [Systematic Review]. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.525369>

Duff, D., & Brydon, M. (2020). Estimates of individual differences in vocabulary size in English: how many words are needed to 'close the vocabulary gap'? *Journal of Research in Reading*, 43(4), 454-481.

Dupuy, H. J. (1974). The rationale, development, and standardization of a basic word vocabulary test. *Vital and health statistics. Series 2, Data evaluation and methods research*, 60, 1-85.

Ellis, R. (1994). Factors in the incidental acquisition of second language vocabulary from oral input: A review essay. *Applied Language Learning*, 5(1), 1-32.

Ellis, R., Skehan, P., Li, S., Shintani, N., & Lambert, C. (2020). *Task-based language teaching: Theory and practice*. Cambridge University Press.

Fan, M. Y. (2003). Frequency of use, perceived usefulness, and actual usefulness of second language vocabulary strategies: A study of Hong Kong learners. *The Modern Language Journal*, 87(2), 222-241.

Fan, N. (2020a). Strategy use in second language vocabulary learning and its relationships with the breadth and depth of vocabulary knowledge: A structural equation modeling study. *Frontiers in Psychology*, 11, 752.

Fan, N. (2020b). Strategy Use in Second Language Vocabulary Learning and Its Relationships With the Breadth and Depth of Vocabulary Knowledge: A Structural Equation Modeling Study [Original Research]. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.00752>

Faraj, I. R., & Kiliç, M. (2018). The Relationship between Language Learning Strategies and Vocabulary Size among Iraqi EFL University Students. *i-Manager's Journal on English Language Teaching*, 8(4), 21-21.

Feng, Y. (2023). A study of English vocabulary learning strategies in rural junior middle schools. *Journal of Education and Educational Research*, 2(1), 93-97.

Field, A. (2018). *Andy. Discovering Statistics Using IBM SPSS Statistics*. London: SAGE PUBLN.

Firda, I. N., & Azkiyah, I. (2021). Testing Breadth and Depth of Vocabulary Knowledge and Their Relationship with Vocabulary Size of EFL Students. *Journal of English Teaching*, 7(1), 89-100.

Gardner, D. (2007). Validating the construct of word in applied corpus-based vocabulary research: A critical survey. *Applied linguistics*, 28(2), 241-265.

Gass, S. M. (1988). Second language vocabulary acquisition. *Annual Review of Applied Linguistics*, 9, 92-106.

Ghalebi, R., Sadighi, F., Bagheri, M. S., & Qian, M. (2020). Vocabulary learning strategies: A comparative study of EFL learners. *Cogent Psychology*, 7(1). <https://doi.org/10.1080/23311908.2020.1824306>

Godfroid, A., Ahn, J., Choi, I., Ballard, L., Cui, Y., Johnston, S., Lee, S., Sarkar, A., & Yoon, H.-J. J. B. (2018). Incidental vocabulary learning in a natural reading context: An eye-tracking study. *21*(3), 563.

González-Fernández, B., & Schmitt, N. (2020). Word knowledge: Exploring the relationships and order of acquisition of vocabulary knowledge components. *Applied linguistics*, 41(4), 481-505.

Good, T. L. (2008). *21st century education: A reference handbook* (Vol. 1). Sage.

Graves, M. F. (2006). Building a comprehensive vocabulary program. *New England Reading Association Journal*, 42(2), 1.

Graves, M. F. (2016). *The vocabulary book: Learning and instruction*. Teachers College Press.

Graves, M. F., August, D., & Mancilla-Martinez, J. (2012). *Teaching vocabulary to English language learners*. Teachers College Press.

Griffiths, C. (2013). *The strategy factor in successful language learning* (Vol. 67). Multilingual Matters.

Griffiths, C. (2015). Language learning strategies: An holistic view. *Studies in second language learning and teaching*(3), 473-493.

Gu, P. Y. (2003). Vocabulary learning in a second language: Person, task, context and strategies. *TESL-EJ*, 7(2), 1-25.

Gu, Y., & Johnson, R. K. (1996). Vocabulary learning strategies and language learning outcomes. *Language learning*, 46(4), 643-679.

Hatch, E., & Brown, C. (1995). *Vocabulary, semantics, and language education*. ERIC.

Hirsh, D., & Nation, P. (1992). What Vocabulary Size Is Needed to Read Unimplified Texts for Pleasure? *Reading in a foreign language*, 8(2), 689-696.

Khan, A. N. S. O., & Ariffin, K. (2023). The Relationship between Vocabulary Learning Strategies and Vocabulary Level among Malaysian English Major Undergraduates. *AJELP: Asian Journal of English Language and Pedagogy*, 11(1), 82-96.

Khan, R. M. I., Radzuan, N. R. M., Shahbaz, M., Ibrahim, A. H., & Mustafa, G. (2018). The role of vocabulary knowledge in speaking development of Saudi EFL learners. *Arab World English Journal (AWEJ) Volume*, 9.

Khoja, B., & Mohapatra, D. (2017). The real story of English language teaching in Syrian high schools and the bumpy transition into the university level. Online Proceedings of the International Conference: DRAL,

Knowles, G., & Don, Z. M. (2004). The notion of a “lemma”: Headwords, roots and lexical sets. *International Journal of Corpus Linguistics*, 9(1), 69-81.

Koizumi, R., & In’ami, Y. (2020). Structural equation modeling of vocabulary size and depth using conventional and Bayesian methods. *Frontiers in Psychology*, 11, 618.

Krashen, S. (1992). The input hypothesis: An update. *Linguistics and language pedagogy: The state of the art*, 409-431.

Krashen, S. D. (1982). Principles and Practice in Second Language Acquisition. *Learning*, 46(2), 327-369.

Kulikova, O. (2015). Vocabulary learning strategies and beliefs about vocabulary learning: a study of beginning university students of Russian in the United States.

Laufer, B. (1997). The lexical plight in second language reading: Words you don’t know, words you think you know, and words you can’t guess. *Second language vocabulary acquisition: A rationale for pedagogy*, 1, 20-34.

Laufer, B., & Nation, I. P. (2013). Vocabulary. In *The Routledge handbook of second language acquisition* (pp. 163-176). Routledge.

Laufer, B., & Ravenhorst-Kalovski, G. C. (2010). Lexical threshold revisited: Lexical text coverage, learners’ vocabulary size and reading comprehension.

Lee, J., & Heinz, M. (2016). English language learning strategies reported by advanced language learners. *Journal of International Education Research (JIER)*, 12(2), 67-76.

Levenston, E. A. (1979). Second language acquisition: Issues and problems. *Interlanguage studies bulletin*, 147-160.

Levis, J. M. (2018). *Intelligibility, oral communication, and the teaching of pronunciation*. Cambridge University Press.

Lincoln, Y. S., & Guba, E. G. (1985). *Naturalistic inquiry*. Sage Publications.

Liu, P. D., & McBride-Chang, C. (2010). What is morphological awareness? Tapping lexical compounding awareness in Chinese third graders. *Journal of educational psychology*, 102(1), 62.

Mahmood, A., & Arslan, Y. (2017). The Relationship between Iraqi EFL Learners' Vocabulary Learning Strategies Use and Their Receptive Vocabulary Size. *Arab World English Journal (AWEJ) Volume*, 8.

Masrai, A. (2019). Vocabulary and reading comprehension revisited: Evidence for high-, mid-, and low-frequency vocabulary knowledge. *SAGE Open*, 9(2), 2158244019845182.

Masrai, A., & Milton, J. (2021). Vocabulary knowledge and academic achievement revisited: General and academic vocabulary as determinant factors. *Southern African Linguistics and Applied Language Studies*, 39(3), 282-294. <https://doi.org/10.2989/16073614.2021.1942097>

Meara, P. (1980). Vocabulary acquisition: A neglected aspect of language learning. *Language Teaching*, 13(3-4), 221-246.

Meara, P. (2002). The rediscovery of vocabulary. *Second Language Research*, 18(4), 393-407.

Milton, J. (2009). *Measuring second language vocabulary acquisition* (Vol. 45). Multilingual Matters.

Milton, J., & Treffers-Daller, J. (2013). Vocabulary size revisited: the link between vocabulary size and academic achievement. *Applied Linguistics Review*, 4(1), 151-172.

Minalla, A. A. (2024). Enhancing Young EFL Learners' Vocabulary Learning Through Contextualizing Animated Videos. *Theory and Practice in Language Studies*, 14(2), 578-586.

Mizumoto, A., & Takeuchi, O. (2009). Examining the effectiveness of explicit instruction of vocabulary learning strategies with Japanese EFL university students. *Language teaching research*, 13(4), 425-449.

Mokal, M. N., & Halim, H. A. (2023). An Analysis of Lexico-Semantic Variations in Pakistani English Newspaper Corpus. *World*, 13(6).

Mokhtar, A. A., Rawian, R. M., Yahaya, M. F., Abdullah, A., & Mohamed, A. R. J. T. E. T. (2017). Vocabulary learning strategies of adult ESL learners. 12.

Mondria, J.-A., & Wiersma, B. (2004). Receptief, productief, en receptief+ productief woorden leren: Wat maakt het uit? *Levende Talen Tijdschrift*, 5(3), 29-37.

Munro, M. J., & Derwing, T. M. (2020). Foreign accent, comprehensibility and intelligibility, redux. *Journal of Second Language Pronunciation*, 6(3), 283-309.

Nagy, W., & Scott, J. A. (2013). Vocabulary Processes.

Nagy, W., & Townsend, D. (2012). Words as tools: Learning academic vocabulary as language acquisition. *Reading research quarterly*, 47(1), 91-108.

Nagy, W. E., Anderson, R. C., & Herman, P. A. (1987). Learning word meanings from context during normal reading. *American educational research journal*, 24(2), 237-270.

Nation, I. (2005). Teaching and learning vocabulary. In *Handbook of research in second language teaching and learning* (pp. 605-620). Routledge.

Nation, I. S. (2001). *Learning vocabulary in another language*. Ernst Klett Sprachen.

Nation, I. S., & Webb, S. A. (2011). *Researching and analyzing vocabulary*. Heinle, Cengage Learning Boston, MA.

Nation, I. S. P. (2013). *Learning Vocabulary in Another Language* (2 ed.). Cambridge University Press. <https://doi.org/DOI>: 10.1017/CBO9781139858656

Nation, P. (2012). Vocabulary acquisition in second language acquisition. *The Encyclopedia of Applied Linguistics*.

Nation, P. W., Robert. (1997). Vocabulary size, text coverage and word lists. *Vocabulary: Description, acquisition and pedagogy/acquisition and pedagogy*, 6-19.

Nguyen, T. H. (2022). The effects of using online applications to teach vocabulary to English learners of HUFI in Ho chi minh city. *International Journal of TESOL & Education*, 2(3), 32-42.

Nordlund, M., Kokkola, L., & Rydström, U. (2023). Teenagers' vocabulary knowledge and self-efficacy as elements in effective L2 online searches. *Nordic Journal of English Studies*, 22(2), 1-26.

Nouri, N., & Zerhouni, B. (2016). The relationship between vocabulary knowledge and reading comprehension among Moroccan EFL learners. *Journal of Humanities and Social Science*, 21(10), 19-26.

O'Malley, J. M., Chamot, A. U., Stewner-Manzanares, G., Kupper, L., & Russo, R. P. (1985). Learning strategies used by beginning and intermediate ESL students. *Language learning*, 35(1), 21-46.

O'Malley, J. M., O'Malley, M. J., Chamot, A. U., & O'Malley, J. M. (1990). *Learning strategies in second language acquisition*. Cambridge university press.

Oakhill, J., Cain, K., & Elbro, C. (2019). Reading comprehension and reading comprehension difficulties. *Reading development and difficulties: Bridging the gap between research and practice*, 83-115.

Ocampo, R., & McNeill, A. (2019). The relationship between vocabulary size and reading comprehension performance of 12th Grade Thai EFL learners. *Journal of social sciences*, 29(19), 32-41.

Ogeyik, M. C. (2009). Attitudes of the Student Teachers in English Language Teaching Programs towards Microteaching Technique. *English Language Teaching*, 2(3), 205-212.

Oranpattanachai, P. (2023). Relationship between the Reading Strategy, Reading Self-Efficacy, and Reading Comprehension of Thai EFL Students. *LEARN Journal: Language Education and Acquisition Research Network*, 16(1), 194-220.

Oxford, R. L. (1990). *Language learning strategies-What every teacher should know*. Heinle & Heinle.

Oxford, R. L. (1990). *Language Learning Strategies: What Every Teacher Should Know*. Heinle & Heinle. <https://books.google.com.my/books?id=mOp3SwAACAAJ>

Oxford, R. L. (1999). Relationships between second language learning strategies and language proficiency in the context of learner autonomy and self-regulation. *Revista Canaria de Estudios Ingleses*, 38(1), 108-126.

Oxford, R. L. (2011). Strategies for learning a second or foreign language. *Language Teaching*, 44(2), 167-180.

Oxford, R. L. (2016). *Teaching and researching language learning strategies: Self-regulation in context*. Routledge.

Oxford, R. L., & Amerstorfer, C. M. (2018). *Language learning strategies and individual learner characteristics: Situating strategy use in diverse contexts*. Bloomsbury Publishing.

Pan, S. C., Rickard, T. C., & Bjork, R. A. (2021). Does spelling still matter—and if so, how should it be taught? Perspectives from contemporary and historical research. *Educational psychology review*, 1-30.

Pavia, N., Webb, S., & Faez, F. J. S. i. S. L. A. (2019). Incidental vocabulary learning through listening to songs. 41(4), 745-768.

Pawlak, M. (2021). Investigating language learning strategies: Prospects, pitfalls and challenges. *Language teaching research*, 25(5), 817-835.

Peter, M. S., Durrant, S., Jessop, A., Bidgood, A., Pine, J. M., & Rowland, C. F. (2019). Does speed of processing or vocabulary size predict later language growth in toddlers? *Cognitive Psychology*, 115, 101238.

Peters, E., Noreillie, A. S., Heylen, K., Bulté, B., & Desmet, P. (2019). The impact of instruction and out-of-school exposure to foreign language input on learners' vocabulary knowledge in two languages. *Language learning*, 69(3), 747-782.

Pigada, M., & Schmitt, N. (2006). Vocabulary acquisition from extensive reading: A case study. *Reading in a foreign language*, 18(1), 1-28.

Rababah, G. A. (2002). Strategic Competence and Language Teaching.

Rabadi, R. I. (2016). Vocabulary Learning Strategies Employed by Undergraduate EFL Jordanian Students. *English Language and Literature Studies*, 6(1). <https://doi.org/10.5539/ells.v6n1p47>

Rabiee, F. (2004). Focus-group interview and data analysis. *Proceedings of the nutrition society*, 63(4), 655-660.

Rahmani, S. (2023). Vocabulary learning beliefs and strategies of Afghan EFL undergraduate learners. *Cogent Education*, 10(1), 2194227. <https://doi.org/10.1080/2331186X.2023.2194227>

Ramzan, M., Javaid, Z. K., & Ali, A. A. (2023). Perception of Students about Collaborative Strategies Employed by Teachers for Enhancing English Vocabulary and Learning Motivation. *Pakistan JL Analysis & Wisdom*, 2, 146.

Read, J., & Nation, P. (1986). Some Issues in the Testing of Vocabulary Knowledge.

Rezai, M. J., & Davarpanah, F. (2019). The Study of Formal and Semantic Errors of Lexis by Persian EFL Learners. *International Journal of Cognitive and Language Sciences*, 13(1), 41-47.

Richards, J. C. (1976). The role of vocabulary teaching. *TESOL quarterly*, 77-89.

Richards, J. C., & Schmidt, R. W. (2013). *Longman dictionary of language teaching and applied linguistics*. Routledge.

Rochmaniyah, I. A., & Suharjito, B. (2017). An Analysis of Lexical Error in the Descriptive Text Writing Produced by the Eighth Grade Students of MTs. Wahid Hasyim Kunir. *FKIP e-PROCEEDING*.

Rodgers, M. P., & Webb, S. J. I.-I. J. o. A. L. (2020). Incidental vocabulary learning through viewing television. *171*(2), 191-220.

Rosyada-AS, A., & Apoko, T. W. (2023). Investigating English vocabulary difficulties and its learning strategies of lower secondary school students. *Journal of Languages and Language Teaching*, 11(3), 489-501.

Röthlisberger, M., Zanger, C., & Juska-Bacher, B. (2023). Matthew effect in vocabulary and reading: A comparison of good and average readers in Grade 1 to Grade 3. *International Journal of Educational Research Open*, 5, 100278. <https://doi.org/https://doi.org/10.1016/j.ijedro.2023.100278>

Rubin, J. (1975). What the "good language learner" can teach us. *TESOL quarterly*, 41-51.

Rubin, J. (2001). Language learner self-management. *Journal of Asian Pacific Communication*, 11(1), 25-37.

Sa'd, S. H. T., & Rajabi, F. (2018). Teaching and learning vocabulary: What English Language learners perceive to be effective and ineffective strategies. *Center for Educational Policy Studies Journal*, 8(1), 139-163.

Sardegna, V. G., & McGregor, A. (2022). Classroom research for pronunciation. *Second language pronunciation: Bridging the gap between research and teaching*, 107-124.

Saud, W. I. (2018). Lexical Errors of Third Year Undergraduate Students. *English Language Teaching*, 11(11), 161-168.

Schmitt, N. (1997a). *Vocabulary learning strategies* (Vol. 199227). Cambridge University Press.

Schmitt, N. (1997b). Vocabulary learning strategies. *Vocabulary: Description, acquisition and pedagogy*, 199227.

Schmitt, N. (2000). *Vocabulary in Language Teaching*. Cambridge University Press.

Schmitt, N. (2008). Instructed second language vocabulary learning. *Language teaching research*, 12(3), 329-363.

Schmitt, N. (2010). Key issues in teaching and learning vocabulary. In *Insights into non-native vocabulary teaching and learning* (pp. 28-40). Multilingual Matters.

Schmitt, N. (2019). Understanding vocabulary acquisition, instruction, and assessment: A research agenda. *Language Teaching*, 52(2), 261-274.

Schmitt, N., & Schmitt, D. (2020). *Vocabulary in language teaching*. Cambridge university press.

Şen, Y., & Kuleli, M. (2015). The effect of vocabulary size and vocabulary depth on reading in EFL context. *Procedia-Social and Behavioral Sciences*, 199, 555-562.

SettarAbid, R. A. (2017). A Study of Vocabulary Learning Strategies and Vocabulary Size of Iraqi EFL Learners. *Journal of Basra researches for Human Sciences*, 42(4).

Shamshirian, M. (2015). Assessing the effect of utilizing monolingual and bilingual dictionaries on EFL learners' vocabulary. *Language in India*, 15(7), 175-188.

Shen, Z. (2008). The roles of depth and breadth of vocabulary knowledge in EFL reading performance. *Asian Social Science*, 4(12), 135-137.

Shi, H. (2017). Learning strategies and classification in education. *Institute for Learning Styles Journal*, 1(1), 24-36.

Smith, M. K. (1941). Measurement of the size of general English vocabulary through the elementary grades and high school. *Genetic Psychology Monographs*, 24, 311-345.

Smith, R., Snow, P., Serry, T., & Hammond, L. (2021). The role of background knowledge in reading comprehension: A critical review. *Reading Psychology*, 42(3), 214-240.

Sökmen, A. J. (1997). Current trends in teaching second language vocabulary. *Readings in methodology*, 152.

Stoeckel, T., Stewart, J., McLean, S., Ishii, T., Kramer, B., & Matsumoto, Y. (2019). The relationship of four variants of the Vocabulary Size Test to a criterion measure of meaning recall vocabulary knowledge. *System*, 87, 102161.

Stoffer, I. (1995). *University foreign language students' choice of vocabulary learning strategies as related to individual difference variables* The University of Alabama].

Ta'amneh, M. A. A. A. (2021). An analysis of various vocabulary learning strategies used by EFL university students. *Journal of Applied Linguistics and Language Research*, 8(3), 77-88.

Tahmina, T. (2023). Vocabulary learning strategies used by the high-proficiency learners. *ELS Journal on Interdisciplinary Studies in Humanities*, 6(3).

Takač, V. P. (2008). *Vocabulary learning strategies and foreign language acquisition*. Multilingual Matters.

Takeuchi, O. (2019). Language learning strategies: Insights from the past and directions for the future. *Second handbook of English language teaching*, 683-702.

Teng, F. (2020). The benefits of metacognitive reading strategy awareness instruction for young learners of English as a second language. *Literacy*, 54(1), 29-39.

Teng, F. (2022). Vocabulary learning through videos: captions, advance-organizer strategy, and their combination. *Computer Assisted Language Learning*, 35(3), 518-550.

Thomson, R. I., & Derwing, T. M. (2015). The effectiveness of L2 pronunciation instruction: A narrative review. *Applied linguistics*, 36(3), 326-344.

Thorne, S. L., & Lantolf, J. P. (2006). A linguistics of communicative activity. *Bilingual Education and Bilingualism*, 62, 170.

Tong, Y., Hasim, Z., & Abdul Halim, H. (2023). The relationship between L2 vocabulary knowledge and reading proficiency: The moderating effects of vocabulary fluency. *Humanities and Social Sciences Communications*, 10(1), 555. <https://doi.org/10.1057/s41599-023-02058-2>

Tran, A. H., Tremblay, K. A., & Binder, K. S. (2020). The factor structure of vocabulary: An investigation of breadth and depth of adults with low literacy skills. *Journal of Psycholinguistic Research*, 49, 335-350.

Treiman, R., & Bourassa, D. C. (2000). The development of spelling skill. *Topics in language disorders*, 20(3), 1-18.

Tseng, W. T., & Schmitt, N. (2008). Toward a model of motivated vocabulary learning: A structural equation modeling approach. *Language learning*, 58(2), 357-400.

Uchihara, T., & Clenton, J. (2020). Investigating the role of vocabulary size in second language speaking ability. *Language teaching research*, 24(4), 540-556.

Uchihara, T., Webb, S., & Yanagisawa, A. J. L. L. (2019). The effects of repetition on incidental vocabulary learning: A meta-analysis of correlational studies. 69(3), 559-599.

Ünal, B., & Ekmekçi, E. (2022). An Investigation into the Studies about the Use of Subtitles in Teaching English in EFL Contexts. *Gazi Üniversitesi Gazi Eğitim Fakültesi Dergisi*, 1(1), 287-310.

Vafaee, P. (2016). *The relative significance of syntactic knowledge and vocabulary knowledge in second language listening comprehension* University of Maryland, College Park].

Vermeer, A. (2004). The relation between lexical richness and vocabulary size in Dutch L1 and L2 children. *Vocabulary in a second language: Selection, acquisition, and testing*, 173-189.

Vygotsky, L. S., & Cole, M. (1978). *Mind in society: Development of higher psychological processes*. Harvard University Press.

Wahyudin, A. Y., Pustika, R., & Simamora, M. W. B. (2021). Vocabulary learning strategies of EFL students at tertiary level. *The Journal of English Literacy Education: The Teaching and Learning of English as a Foreign Language*, 8(2), 101-112.

Wang, C. (2022). A Study on the Correlation Between English Vocabulary Learning Strategies and Breadth of Vocabulary Knowledge on Elementary Chinese English Learners. *International Journal of Education and Humanities*, 4(3), 1-5.

Warnby, M. (2023). Academic vocabulary knowledge among adolescents in university preparatory programmes. *Journal of English for Academic Purposes*, 61, 101203.

Webb, S. (2019). *The Routledge handbook of vocabulary studies*. Routledge.

Webb, S., & Nation, P. (2017). *How vocabulary is learned*. Oxford University Press.

Webb, S. J. T. R. h. o. v. s. (2020). Incidental vocabulary learning. 225-239.

Wenden, A., & Rubin, J. (1987). *Learner strategies in language learning*. Prentice Hall.

Wilkins, A. J. (1971). Conjoint frequency, category size, and categorization time. *Journal of Verbal Learning and Verbal Behavior*, 10(4), 382-385. [https://doi.org/10.1016/S0022-5371\(71\)80036-1](https://doi.org/10.1016/S0022-5371(71)80036-1)

Yaacob, A., Shapii, A., Saad AlObaisy, A., Al-Rahmi, W. M., Al-Dheleai, Y. M., Yahaya, N., & Alamri, M. M. (2019). Vocabulary Learning Strategies Through Secondary Students at Saudi School in Malaysia. *SAGE Open*, 9(1). <https://doi.org/10.1177/2158244019835935>

Yigit, T., & Aykul, B. (2018). A comparison of vocabulary learning strategies of high school and university students. *European Journal of Education Studies*.

Yorio, C. A. (1971). Some sources of reading problems for foreign-language learners 1. *Language learning*, 21(1), 107-115.

Zhang, S., & Zhang, X. (2020). The relationship between vocabulary knowledge and L2 reading/listening comprehension: A meta-analysis. *Language teaching research*, 26(4), 696-725. <https://doi.org/10.1177/1362168820913998>

Zhao, J. (2023). Innovative design and research on cooperative learning of English and a Second Foreign Language in a multimedia environment. *Eurasian Journal of Applied Linguistics*, 9(2), 88-105.

Zhou, Y., & Halim, H. A. (2022). A learner corpus analysis of problem-solving schemata and move structures in debating discourse. *Indonesian Journal of Applied Linguistics*, 12(2), 569-583.

Zimmerman, C. B. (1997). Historical trends in second language vocabulary instruction. *Second language vocabulary acquisition*, 6(1), 5-19.

Zuhairi, A., & Mistar, J. (2023). Vocabulary learning strategies and vocabulary mastery by Indonesian EFL learners. *World Journal of English Language*, 13(8).

Appendix A

Vocabulary Learning Strategies Questionnaire

Source: Schmitt (1997, 2000)

Vocabulary Learning Strategies Questionnaire VLSQ	
Determination strategies: DET	
DET1	I use an English–Arabic dictionary to discover the meaning of new words. أستخدم قاموساً إنجليزياً- عربياً لاكتشاف معنى الكلمات الجديدة
DET2	I use an Arabic–English dictionary to discover the meaning of new words. أستخدم قاموساً عربياً-إنجليزياً لاكتشاف معنى الكلمات الجديدة.
DET3	I use an English–English dictionary to find the meaning of new words. أستخدم قاموساً إنجليزياً-إنجليزياً للعثور على معنى الكلمات الجديدة.
DET4	I guess the meaning from context to discover the meaning of new words. أخمن المعنى من السياق لاكتشاف معنى الكلمات الجديدة.
DET5	I guess the meaning from word classes, such as noun, verb, adjective, adverb, to discover the meaning of new words. أخمن المعنى من نوع الكلمة مثل الاسم، الفعل، الصفة، أو الظرف لاكتشاف معنى الكلمات الجديدة.
DET6	I guess the meaning by analyzing the structure of words (prefixes, roots, and suffixes) to discover the meaning of new words. أخمن المعنى من خلال تحليل بنية الكلمات (البادئات، الجذور، والواحد) لاكتشاف معنى الكلمات الجديدة.
DET7	I guess the meaning from grammatical structure of a sentence to discover the meaning of new words. أخمن المعنى من التركيب الحوسي للجملة لاكتشاف معنى الكلمات الجديدة.
DET8	I guess the meaning from aural features, such as stress, intonation, pronunciation, to discover the meaning of new words. أخمن المعنى من السمات الصوتية مثل النبرة، التنعيم، والنطق لاكتشاف معنى الكلمات الجديدة.
Memory strategies: MEM	
MEM1	I categorize new words according to their synonyms and antonyms. أصنف الكلمات الجديدة حسب المرادفات والأضداد.
MEM2	I group new words in relation to similar pronunciation and spelling. أجمع الكلمات الجديدة التي لها نطق وتهجئة متشابهين.
MEM3	I group new words together to learn new vocabulary. أجمع الكلمات الجديدة معاً لأتعلم مفردات جديدة.
MEM4	I connect pictures to the meanings of new words. أربط الصور بمعاني الكلمات الجديدة.
MEM5	I observe the parts of speech of the new vocabulary items. الاحظ أقسام الكلام للكلمات الجديدة.
MEM6	I examine the new words' affixes (prefixes and suffixes). أفحص بادئات ولوحات الكلمات الجديدة.
MEM7	I use new vocabulary items in sentences repeatedly. أستخدم الكلمات الجديدة في جمل بشكل متكرر.
MEM8	I use semantic maps to learn new words. أستخدم الخرائط الدلالية لتعلم الكلمات الجديدة.
Cognitive strategies: COG	
COG1	I use a new lexical item by writing it repeatedly in sentences.

	أستخدم الكلمة الجديدة بكتابتها مراراً في جمل.
COG2	I repeat orally a single word with its meanings to learn it. أكرر الكلمة شفهياً مع معانيها لأتعلمها.
COG3	I revise previous English lessons and take notes in class to learn the new vocabulary items. أراجع دروس اللغة الإنجليزية السابقة وأدون الملاحظات في الصف لأتعلم المفردات الجديدة.
COG4	I practice orally new words with their lexical sets. أتمرّن شفهياً على الكلمات الجديدة مع مجموعاتها اللغوية.
COG5	I keep a notebook for a vocabulary list with meanings and examples to learn the new vocabulary items. أحتفظ بدفتر يحتوي على قائمة كلمات مع معانيها وأمثلة لأتعلمها.
COG6	I associate new vocabulary items with physical objects to learn the lexical items. أربط الكلمات الجديدة بأشياء مادية لتسهيل تذكرها.
COG7	I listen to vocabulary CDs to learn new vocabulary items. أستمع إلى أقراص تعليمية لأتعلم الكلمات الجديدة.
COG8	I write new lexical items with meanings on flash cards to learn them. أكتب الكلمات الجديدة مع معانيها على بطاقات لأتعلمها.
Metacognitive strategies: MET	
MET1	I expand my knowledge of lexical items by listening to English songs. أوسع معرفتي بالمفردات من خلال الاستماع إلى الأغاني الإنجليزية.
MET2	I learn new words by watching English-speaking movies with subtitles. أتعلم كلمات جديدة من خلال مشاهدة أفلام ناطقة بالإنجليزية مع الترجمة.
MET3	I study new vocabulary items from advertisements, written signs, written notices, etc. أدرس الكلمات الجديدة من الإعلانات، واللافتات، والملاحظات المكتوبة، وغيرها.
MET4	I learn new lexical items by reading articles from several sources such as magazines, newspapers, brochures, etc. أتعلم كلمات جديدة من خلال قراءة مقالات من مصادر متعددة مثل المجلات، الصحف، الكتيبات، وغيرها.
MET5	I expand my vocabulary knowledge by testing myself with word lists. أوسع معرفتي بالمفردات من خلال اختبار نفسي باستخدام قوائم الكلمات.
MET6	I learn new words by listening to English radio programs. أتعلم كلمات جديدة من خلال الاستماع إلى البرامج الإذاعية الإنجليزية.
MET7	I expand my vocabulary knowledge by doing extra curriculum exercises from different sources. أوسع معرفتي بالكلمات من خلال التمارين الإضافية من مصادر متعددة.
MET8	I learn new words by relating newly-learned words with previously learned ones. أتعلم كلمات جديدة من خلال ربطها بكلمات تعلمتها من قبل.
Social strategies: SOC	
SOC1	I ask instructors of English for Arabic translations of new lexical items. أطلب من معلمي اللغة الإنجليزية ترجمة عربية للكلمات الجديدة.
SOC2	I communicate with instructors in English to use a new lexical item in a sentence to increase my vocabulary. أتواصل مع معلمي اللغة الإنجليزية باللغة الإنجليزية لاستخدام الكلمة الجديدة في جملة وأطور مفرداتي.

SOC3	I ask for a synonym of a new word or ask the instructor to explain it. أطلب مراقباً الكلمة الجديدة أو أطلب من المعلم شرحها.
SOC4	I look for extra English information online to learn new vocabulary items. أبحث عن معلومات إضافية باللغة الإنجليزية على الإنترنت لأتعلم كلمات جديدة.
SOC5	I discuss in English with classmates to understand and expand the meaning of new vocabulary items. أناقش زملائي باللغة الإنجليزية لأفهم وأوسع معنى الكلمات الجديدة.
SOC6	I communicate with foreigners in English through various types of media to develop my vocabulary. أتواصل مع الأجانب باللغة الإنجليزية من خلال وسائل إعلام مختلفة لتطوير مفرداتي.
SOC7	I play English games such as Scrabble or crossword puzzles to discover the meaning of new vocabulary through group activity. ألعب ألعاباً إنجليزية مثل سكرابل أو الكلمات المتقاطعة لاكتشف معنى الكلمات الجديدة من خلال العمل الجماعي.
SOC8	I study and practice the meaning of new vocabulary items in a group to expand my vocabulary knowledge. أدرس وأتمرن على معاني الكلمات الجديدة ضمن مجموعة لتوسيع معرفتي اللغوية.



Appendix B

Vocabulary Size Test

▪ **First 1000**

1. SEE: They **saw** it.
 - A. Cut.
 - B. Waited for.
 - C. Looked at.
 - D. Started.
2. TIME: They have a lot of **time**.
 - A. Money.
 - B. Food.
 - C. Hours.
 - D. Friends
3. PERIOD: It was a difficult **period**.
 - A. Question
 - B. Time
 - C. Thing to do
 - D. Book
4. FIGURE: Is this the right **figure**?
 - A. Answer.
 - B. Place.
 - C. Time.
 - D. Number.
5. POOR: We are **poor**.
 - A. Have no money
 - B. Feel happy
 - C. Are very interested
 - D. Do not like to work hard
6. DRIVE: He **drives** fast.
 - A. Swims
 - B. Learns.
 - C. Throws balls
 - D. Uses car
7. JUMP: She tried to **jump**.
 - A. Lie on top of the water
 - B. Get off the ground suddenly
 - C. Stop the car at the edge of the road
 - D. Move very fast.

8. SHOE: Where is your **shoe**?
 - A. The person who looks after you
 - B. The thing you keep your money in
 - C. The thing you use for writing
 - D. The thing you wear on your foot
9. STANDARD: Her **standards** are very high.
 - A. The bits at the back under her shoes
 - B. The marks she gets in school
 - C. The mony she asks for
 - D. The levels she reaches in everything
10. BASIS: This was used as the **basis**.
 - A. Answer
 - B. Place to take a rest
 - C. Next step
 - D. Main part.

▪ **Second 1000**

1. MAITAIN: Can they **maintain** it?
 - A. Keep it as it is
 - B. Make it larger
 - C. Get a better one than it
 - D. Get it
2. STONE: He sat on a **stone**.
 - A. Hard thing
 - B. Kind of chair
 - C. Soft thing on the floor
 - D. Part of a tree
3. UPSET: I am **upset**.
 - A. Tired
 - B. Famous
 - C. Rich
 - D. Unhappy
4. DRAWER: The **drawer** was empty.
 - A. Sliding box
 - B. Place where cars are kept
 - C. Cupboard to keep things cold
 - D. Animal house

5. PATIENCE: He has no **patience**.

- A. Will not wait happily
- B. Has no free time
- C. Has no faith
- D. Does not know what is fair

6. NIL: His mark for that question was **nil**.

- A. Very bad
- B. Nothing
- C. Very good
- D. In the middle

7. PUB: They went to the **pub**.

- A. Place where people drink and talk
- B. Place that looks after money
- C. Large building with many shops
- D. Building for swimming

8. CIRCLE: Make a **circle**.

- A. Rough picture
- B. Space with nothing in it
- C. Round shape
- D. Large hole

9. MICROPHONE: Please use the **microphone**.

- A. Machaine for making food hot
- B. Machaine that makes sounds louder
- C. Machaine that makes things look bigger
- D. Small telephone that can be carried around

10. PRO: He's a **pro**.

- A. Someone who is employed to find out important secerets
- B. A stupid person
- C. Someone who writes for a newspaper
- D. Someone who is paid for playing spot etc.

▪ **Third 1000**

1. SOLDIER: He is a **soldier**.

- A. Person in business
- B. Student
- C. Person who uses metal
- D. Person in army

2. RESTORE: It has been **restored**.

- A. Said again
- B. Given to a different person
- C. Given a lower price
- D. Made like new again

3. JUG: He was holding a jug.

- A. A container for pouring liquids
- B. An informal discussion
- C. A soft cap
- D. A weapon that explodes

4. SCRUB: He is scrubbing it.

- A. Cutting shallow lines into it
- B. Repairing it
- C. Rubbing it hard to clean it
- D. Drawing simple pictures of it

5. DINOSAUR: The children were pretending to be **dinosurs**.

- A. Robbers who work at sea
- B. Very small creatures with human form but with wings
- C. Large creatures with wings that breathe fire
- D. Animals that lived a long time ago

6. STARP: He broke the **starp**.

- A. Promise
- B. Top cover
- C. Shallow dish for food
- D. Strip of material for holding things together

7. PAVE: It was **paved**.

- A. Prevented from going through
- B. Divided
- C. Given gold edges
- D. Covered with a hard surface

8. DASH: They **dashed** over it.

- A. Moved quickly
- B. Moved slowly
- C. Fought
- D. Looked quickly

9. ROVE: He could not stop **roving**.

- A. Getting drunk
- B. Travelling around
- C. Making a musical sound through
- D. Working hard

10. LONESOME: He felt **lonesome**.

- A. Ungrateful
- B. Very tired
- C. Lonely
- D. Full of energy

▪ **Fourth 1000**

1. COMPOUND: They made a new **compound**.

- A. Agreement
- B. Thing made of two or more parts
- C. Group of people forming a business
- D. Guess based on past experience

2. LATTER: I agree with the **latter**.

- A. Man from the church
- B. Reason given
- C. Last one
- D. Answer

3. CANDID: Please be **candid**.

- A. Be careful
- B. Show sympathy
- C. Show fairness to both sides
- D. Say what you really think

4. TUMMY: Look at my **tummy**.

- A. Cloth to cover head
- B. Stomach
- C. Small furry animal
- D. Thumb

5. QUIZ: We made a **quiz**.

- A. Thing to hold arrows
- B. Serious mistake
- C. Set of questions
- D. Box for birds to make nests in

6. INPUT: We need more **input**.

- A. Information, power,etc. put into something
- B. Workers
- C. Artificial filling for a hole in wood
- D. Money

7. CRAB: Do you like **crabs**?

- A. Sea creatures that walk sideways
- B. Very thin small cakes
- C. Tight, hard collars
- D. Large black insects that sing at night

8. VOCABULARY: You will need more **vocabulary**.

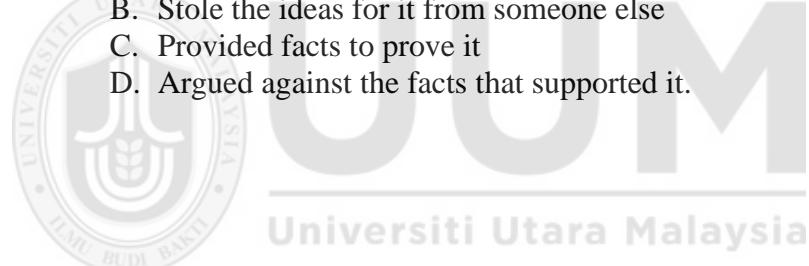
- A. Words
- B. Skill
- C. Money
- D. Guns

9. REMEDY: We found a good **remedy**.

- A. Way to fix a problem
- B. Place to eat in public
- C. Way tp prepare food
- D. Rule about numbers

10. ALLEGGE: They **alleged** it.

- A. Claimed it without proof
- B. Stole the ideas for it from someone else
- C. Provided facts to prove it
- D. Argued against the facts that supported it.



Appendix A

Focus Group Discussion

A. Interviewee Background Information

- 1) Name_____
- 2) Gender_____
- 3) Grade_____
- 4) School_____

B. Focus Group Discussion about the challenges that encounter students while learning new words.

- 1) Do you think that you have low vocabulary size? If yes/No, why?
- 2) What do you find most difficult during learning a new vocabulary?
- 3) What do you think you can do to overcome the challenges of acquiring new vocabulary? Can you give examples?
- 4) Do you know what VLSs are? Can you name any?
- 5) Have you been taught on how to use vocabulary strategies in learning new vocabularies? If yes, how? If No, in your opinion, why?
- 6) What strategy do you use to remember the meaning of new words? Probe: Can you tell me more about that?

Appendix B

FGD Transcript

1) Do you think that you have low vocabulary size? If yes/No, why?

Taleen: I think for simple words, I know most of them, but long words, I don't think so.

Because of my memory, I always forget and can't use them in my daily life.

Anas: I think I have a low vocabulary because I have beginner vocabulary that is used in daily life, but professional vocabulary, I don't have a lot. Maybe because I didn't search a lot and practice.

Nada: I have a low vocabulary because sometimes when I'm talking to someone and listening to them, I don't understand everything. I try to understand the words from the sentence, but sometimes I can't. I just nod my head because I don't understand. Also, in English questions, there are some words that I don't understand. That's why I keep asking about the meaning to answer well.

Interviewer: This happens regularly or sometimes?

Nada: Sometimes.

Labiba: My vocabulary is low because sometimes I don't understand the meaning of words and don't know how to answer fully.

Interviewer: You mean it is difficult to produce and say the words?

Labiba: Yes, also I don't practice the vocabulary that I don't know because I find it difficult to find the meaning.

Habiba: For me, yes, I have a low vocabulary because I didn't use them in my life and didn't practice or search for word meanings and their pronunciation.

Noor: For me, I have a low vocabulary, yes, because sometimes when people talk, I don't understand. Even when I ask them about the meaning, I don't understand their explanation.

Amah: Yes, because I didn't learn many advanced words in my school.

2) What do you find most difficult during learning a new vocabulary? Can you give me examples?

Anas: First, I try to use my mind and guess the meaning before translating it by looking at the sentence and guessing.

Rimsha: The most difficult thing is the pronunciation and understanding the meaning and learning the new words.

Labiba: The pronunciation, and it is difficult to find the meaning of new words.

Habiba: If I don't know the meaning, I'll ask my sister, but if she doesn't know, I'll translate it.

Noor: Nothing is hard related to the meaning, but the spelling.

Amah: When I write homework, I forget the meaning of words, so I'll search on Google, translating the meaning into Arabic and asking my friends.

3) What do you think you can do to overcome the challenges of acquiring new vocabulary? Can you give examples?

Aseel: I try to translate the new words using Google Translate and learn the spelling by writing the words on a piece of paper.

Rimsha: For me, if I don't know the meaning, I'll search for it, then I memorize the meaning so it will be easy to learn the word. Also, I search on Google for the pronunciation, then practice a few times until I can do it.

Noor: Spelling is easy, but if I don't know a word, I'll write it five times on a paper and ask my family to check my writing.

Labiba: I just try to write the spelling many times, then I'll try to search on Google to find the meaning. Then, I'll practice their pronunciation.

Habiba: I do my best to search for the meaning, then write it.

Interviewer: Can you elaborate? How do you search?

Habiba: I'll search on Google.

Amah: I'll search on Google. Then, I write the word many times.

Anas: I'll search for similar words. First, I'll ask my parents if I don't understand. If I still don't, I'll search on Google.

Taleen: I'll make a list of difficult words, then I'll translate them. After that, I'll repeat it several times until I understand them, and I try to memorize them every day to remember them. When I find it difficult to put them in a sentence, I'll use Google to look for examples.

4) Do you know what VLSs are? Can you name any?

Anas: First, I'll see the opposite of this word or I'll use the Cambridge English Dictionary to see synonyms. I also use apps to learn English like Duolingo.

Aseel: I search on Google and check the sentences for each word.

Noor: Asking my parents or translating them using YouTube to find interesting things.

5) Have you been taught how to use vocabulary strategies in learning new vocabularies? If yes, how? If No, in your opinion, why?

Aseel: Yes, my mum told me to speak English with my friends, so I did so. As a result, I learned many words, nearly 200 words, because of my friends.

Anas: My mum told me to search for an app to learn new words, like Duolingo. Also, my dad printed papers with a lot of new words, and our teacher told us how to learn new vocabulary by searching in dictionaries.

Rimsha: My friends told me that I need to put new words in sentences so I won't forget the words' meaning and pronunciation.

Maida: My sister, when she was in university, told me to write the words on a piece of paper, and when you memorize them, use them in a sentence; it will be easier.

Taleen: During watching movies or series with my family, they use a lot of different words, and I ask my mum the meaning of these words, so she answers me, and I use these words in my daily life so I don't forget them.

Interviewer: Does your mum tell you to learn from movies?

Taleen: Yes.

Nada: For hard words that I don't understand, sometimes I'll ask my sister.

Interviewer: Who told you to use this strategy?

Nada: My sister. I search for words in Google Translate. After understanding the meaning, I try to use it in sentences so I can improve my English.

Noor: In grade 3, I had very few words, so my mum taught me and told me to write the words to remember them.

6) What strategy do you use to remember the meaning of new words? Probe: Can you tell me more about that?

Noor: I'm good at spelling, but I usually write on a piece of paper 5 times. After that, I ask my parents to test me.

Anas: I try to look around me to link the word to the meaning, like objects, etc.

Interviewer: If the word relates to an abstract meaning, what do you do?

Anas: I'll try to connect the words to anything I watched, like movies.

Maida: I write the meaning down and the words, then match them to check if it is correct or wrong.

Rimsha: I'll search for the words on the internet using some dictionaries like Cambridge.

Interviewer: What do you search for exactly in this dictionary?

Rimsha: Meaning, synonyms, and the sentences those words are used in.

Taleen: I'm lazy, so I translate the words to Arabic and sometimes to English. When I forget this word and want to use it in a sentence, I search for the word again to memorize it.

Labiba: When I'm writing for dictation purposes, I try to remember the sentence for the word, and if I forget the sentence, I search for synonyms.

Nada: I'd search for similar words.

Habiba: I try to read more English books to find difficult words, so I write notes to remember them.

