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# Kaedy & Hangeul Wizard

Reading and Writing Clinic

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'Hangeul' is the alphabet and writing system for the Korean language. With interesting stories and learning activities, 'Kaedy & Hangeul Wizard' as a Hangeul phonics education program(SW) guides individually customized courses for basic Korean reading and writing study. The method of Hangeul phonics is recognized as an essential technique for the people with difficulties in language learning. It is also effectively used in the field of special education as well as Korean language education for the people who study Korean as a second language.

'Kaedy & Hangeul Wizard' are being developed into four types of specialized program versions. 1) Course D for dyslexic learners, 2) Course K for Korean Language starters who study Korean as another language aside from their own (including children from multicultural families, 3) Course S for Special Education, and 4) Course P for Pre-schoolers.

'Kaedy & Hangeul Wizard' program customizes the composition of learning activities and objectives for each type of the learners. To optimize the customization process for individual learners with various backgrounds, the program is equipped with an intelligent analytic algorithm in the preparation of the curriculum. The program curriculum is based on the educational theories and accumulated data of many years. It step by step supports the learners to efficiently achieve their lesson goals through the way of sequential learning.



## Learning Hangeul Phonics

Applying the Hangeul phonics teaching method, 'Kaedy & Hangeul Wizard' comprises active components to thoroughly guide the Korean alphabet system throughout the steps from reading and writing each consonant and vowel to building up the relationship between the letters for words and sentences. In addition, the program taps on the evaluation technique called curriculum-Based Assessment (CBA) to efficiently design customized learning.

The program consists of two stages in guiding the educational course. In the first stage, students learn how to read and write and then combine and segregate the letters and sounds in Hangeul phonics. In the second stage, they learn how to deal with the issues in phonological changes, vocabulary, and reading fluency.

The first stage course contains a total of 14 learning activities and three CBA evaluative activities. According to the developmental process of Hangeul phonics to individually teach the phonetic recognition, acquisition as well as the principles on phonetic ability. This course consists of overall 92 lessons in 6 stages (basic vowels, basic initial consonants, basic species, strong/sound initial consonants, series of different vowels). The first learning stage sets the lessons according to the learner's level and competency to conduct the sequential learning.

The second stage, which is an upper level course, consists of a total of 10 learning activities and two CBA evaluative activities. In accordance with the consonant-vowel response rules, the course teaches phonological fluctuation rules in relation to sound changing patterns. This course offers the learners to monitor their learning progresses and patterns. This course consists of 59 lessons (Jongseong representative sound, Lotus sound, eliminations, hard sound, acute sound, non-sound, gugae-emhwa, and etc).

'Kaedy & Hangeul Wizard' marks the starts and the achievements through pre-post evaluations. Especially, the monitoring page in the program shows useful information about the course activities, learning progresses, analytics, and statistics. The program is carefully designed to help the learners focus their attention on the lesson by minimizing audiovisual distractions. Besides UX/UI design, gamification strategy (game style lesson activities) is applied to the program for the learners' fun and motivational experiences in learning Hangeul.

## R&D and Certification

'Kaedy & Hangeul Wizard' have been developed by ERiD's reading and writing clinic of Kookmin University in cooperation of IDL Inc. ERiD is the largest dyslexia (people with difficulties in language learning) education and research institute among the universities in Korea.

It was used by elementary schools and professional education clinics for 700 students and confirmed of its excellent effectiveness. In addition, 150 students with advanced dyslexia, who participated in the online 1:1 remote learning program, showed remarkable improvements. 'Kaedy & Hangeul Wizard' (formerly 'Umpah reading writing clinic') is also recognized of its efficacy in the field of special education. It has distinct

differences in educational principles and methods from other Korean language education products. When applied for the children without dyslexia or learning difficulties, its effectiveness in teaching literacy is superior to that of other products. It also demonstrated its usefulness in promoting basic reading skills of infants and preschoolers.

The main software installed in 'Kaedy & Hangeul Wizard' received the highest GS (Good Software) certification from the National Authorized Agency (TTA) and was registered as an excellent product for small and medium-sized venture companies (2018).

**Learn Hangeul online with 'Kaedy & Hangeul Wizard'!**



## Kaedy & Hangeul Wizard

**R&D History** 2020-2021 Startup Leap Program - Korea Creative Content Agency  
2020 Support for the Growth of Research Institute Companies - INNOPOLIS Foundation  
2017-2018 Startup Growth Technology Development Project – Ministry of SMEs and Startups  
2017-2018 Technology Transfer Commercialization (R&BD) – INNOPOLIS Foundation  
2017 Research and Development Support Project for RIC Startups – Foundation for Special R&D

**Certifications** 2019 Dec. Selected as a venture start-up innovation procurement product  
2019 Jan. GS (Good Software) Grade 1 certification - TTA  
2018 Oct. 'Online Reading Proficiency Test e-TRC' GS (Good Software) Grade 1 Certification - TTA

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## ERiD Reading and Writing Clinical Center of Kookmin University

ERiD Center operates the largest dyslexia education clinic in Korea and develops the phonics education program for Hangeul reading and writing for children with dyslexia, from special education, and from multicultural families. ERiD actively supports job training, lectures, workshops, and provides consulting services for teachers. It also assists training programs for master's and doctorate courses with on-site academic research and clinical practicum. It possesses many intellectual properties and conducts various cooperative projects with private/public educational institutions.

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