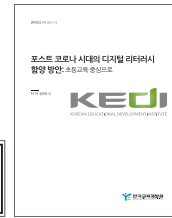


## Strategies to Cultivate Digital Literacy in the Post-COVID Era: A Focus on Elementary Education

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### The purpose of the study

- This study aims to analyze the concept and components of digital literacy in the post-COVID-19 era. This study also suggested plans to cultivate digital literacy of elementary school students, parents, and teachers based on the analysis.

### Major research contents and findings

#### The concept and components of digital literacy

- This study analyzed the meaning of digital literacy and the components that constitute digital literacy domestically and internationally. It also defined the concept of digital literacy in the post-COVID era. In addition, the components of digital literacy necessary for elementary school students, parents, and teachers were drawn.
- The concept of digital literacy in the post-COVID era was defined as the ability to understand and utilize technology, to explore and manage information and data, to solve problems based on digital information, to protect ethics and safely act in the digital world, and to construct and share knowledge through communication and collaboration.

#### Plans to cultivate digital literacy in the post-COVID era

- Among the measures to cultivate digital literacy in the post-COVID era, students' digital literacy can be directly cultivated by improving systems and infrastructure, curriculum, and teaching and learning. In addition, students' digital literacy can be indirectly fostered through parents' and teachers' cultivation of digital literacy.

- The measures to foster digital literacy in the post-COVID era are as follows. First, it is necessary to improve the digital literacy-related systems and support systems and improve the educational environment infrastructure through institutional and infrastructure advancement. Second, it is necessary to establish digital literacy competency through the improvement of curriculum and provide basic education for universal digital literacy. Third, it is necessary to expand the digital-based learner-centered class design by improving teaching and learning methods, developing a digital-based class model, and developing a digital-based convergence education model using SW/AI. Fourth, to promote student digital literacy, teachers' capabilities to utilize the digital device and to develop and design contents should be strengthened. Additionally, teachers' teaching methods using digital devices should be facilitated, and cooperative support channels among teachers should be strengthened. Fifth, to support the cultivation of children's digital literacy, it is necessary to provide parents with digital literacy education opportunities through lifelong education programs, to provide digital literacy guidelines to support their children, and to strengthen cooperative support channels between teachers and parents.