The online learning needs of students across different grades during the COVID-19 pandemic

May 5 2021

Credit: Unsplash/CC0 Public Domain

A new study published in the *British Journal of Educational Technology* has identified the different needs of students across primary, middle, and

high school related to online learning during the COVID-19 pandemic.

For the study, investigators surveyed 1,170,769 Chinese students from the Guangdong Province of China.

Based on their findings, the researchers recommend that educational authorities and schools provide sufficient technical support to help students overcome potential internet and technical problems, and customize the delivery of online learning tools for students in different school years.

"Utilizing data from a large sample, we identify that student requirements of online learning are not homogeneous. For young children, there is a need for guidance from teachers and parents. In contrast, older students require opportunities to collaborate," said lead author Lixiang Yan, of the Centre for Learning Analytics at Monash University, in Australia. "Our study also showed an overwhelming use of smartphones over other devices by all age groups. This finding has direct implications for the design of online courses in K12 education; however, this can potentially pose a significant limitation for an effective learning experience."

More information: Lixiang Yan et al, Students' experience of online learning during the COVID-19 pandemic: A province-wide survey study, *British Journal of Educational Technology* (2021). DOI: 10.1111/bjet.13102

Provided by Wiley

Citation: The online learning needs of students across different grades during the COVID-19 pandemic (2021, May 5) retrieved 11 May 2024 from https://phys.org/news/2021-05-online-

students-grades-covid-pandemic.html

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.