Second-year student perceptions and use of technology during emergency remote teaching to connect with peers and instructors

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Abstract

Learning is a social experience and having meaningful connections with peers and instructors is important for student learning. The interpersonal relationships between students and their instructor can positively influence students’ well-being, motivation and self-efficacy (Aguilera-Hermida, 2020; Almendingen et al., 2021; Gillis & Krull, 2020; Kim & Sax, 2009; Marković et al., 2021; Parpala et al., 2021; Pitsick, 2018). Creating productive interpersonal relationships with peers contributes to students’ beliefs of being supported, respected, and valued, and increases the likelihood of students asking their peers for help (Mäkitalo-Siegl & Fischer, 2011). When students feel connected to their peers they are more likely to engage with their peers in ways that support their learning and deepen their knowledge as a result (Shim et al., 2013). Interaction with instructors can also positively influence learning outcomes and student well-being (Pitsick, 2018), and instructors can be a valuable source of help and guidance (Ryan et al., 2001). However, during the COVID-19 pandemic and the shift to emergency remote teaching and learning, students’ relationship with peers was significantly impacted (Motz et al., 2022) and forcing peer-to-peer interaction through mandating camera feeds on during live synchronous video classes disproportionately affected students from disadvantaged backgrounds and those experiencing anxiety or depression (Castelli & Sarvary, 2021). As students were adapting to learn during the pandemic, they increased their reliance on their instructor and highly ranked instructor engagement as a factor that positively influenced their motivation (Nguyen, 2021). As motivation increases, so does self-efficacy, and when students feel supported, engaged, connected and valued by their peers and instructors, they are more likely to be successful students (Zepke, 2018).

This study examines students’ experiences in using technology to connect with peers and their instructors during the COVID-19 pandemic when learning remotely. The research inquiry focusses on the second-year cohort as prior research has revealed that this group of learners tend to struggle with their learning (Kyndt et al., 2017; Milsom, 2015; Milsom & Yorke, 2015; Southgate et al., 2014; Virtue et al., 2017; Webb & Cotton, 2019) and experience higher levels of anxiety and depression compared to students in other years of university study prior to the COVID 19 pandemic (Liu et al., 2019). To examine their experience in peer-to-peer networks and their interactions with instructors for help seeking, interviews were undertaken at a large metropolitan Australian University in 2021 with 26 second-year students across different disciplines who had experienced emergency remote teaching in their first and second year of study.

The findings reveal that students resist using the discussion board in the Learning Management System because of perceptions of exposure and embarrassment in asking questions when they feel they are expected to know the answer. Students report that synchronous video classes using technology such as Zoom, increase feelings of
isolation and they reach out to their peers via social media technology instead. Students are intentional in their choice of technology in connecting with peers, however in the absence of physical connections, there remains a gap in productive engagement with peers. The findings show that second-year students are reluctant to reach out to their instructor when technology is their only mode of interaction, and students report that they would have been more likely to ask for help during a face-to-face class.

References


