

## The Flipped Education Case Study on Teacher Professional Learning Community in Technology and Media Implementation

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**Abstract :** The paper examines teacher professional learning community theory and implementation by using technology and media tools in Taiwan. After literature review, the researcher concluded in five elements of teacher professional learning community theory. They are 'sharing the vision and value', 'collaborative cooperation', 'to support the situation', 'to share practice' and 'Pay Attention to Student Learning Effectiveness' five levels by using technology and media in flipped education. Teacher professional learning community is one kind of models for teacher professional development in flipped education. Due to Taiwan education culture, there is no summative evaluation for teachers. So, there are multiple kinds of ways and education practice in teacher professional learning community nowadays. This study used literature review and quality analysis to analyze the connection theory and practice and discussed the official and non-official strategies on teacher professional learning community by using technology and media in flipped education. The tablet is used as a camera tool for classroom students to solve problems. The students can instantly see and enable other students to watch the whole class discussion by operating the tablet. This would allow teachers and students to focus on discussing the connotation of subjects, especially bottom-up and non-official cases from teachers become an important influence in Taiwan.

**Keywords :** professional learning community, collaborative cooperation, flipped education, technology application, media application

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