

#### 4 - Digital Resources for Science Teaching and Learning | Empirical

##### SP - (15688) - INVESTIGATING THE IMPLEMENTATION OF SATELLITE LABORATORIES FROM THE STUDENT TEACHER'S PERSPECTIVE

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##### Short Abstract

*Due to the recent surge in technologization and digitalization, Technical Education (TD) has become a significant part of general education. TD helps students reflect on the benefits and risks of new technologies and enables them to understand resulting social changes in interactions. To foster TD in schools, the project "[Name des Projektes]" established so-called satellite laboratories with a Peer-Learning approach at two partner schools. Students learn technical and informatic content in satellite laboratories, which creates an early opportunity for students to work on competencies needed for STEM-careers. The presented study investigates the implementation of satellite laboratories using guideline-based interviews from student teachers (ST). Eleven interviews were analyzed with content analysis according to Mayring. Analysis focuses on motives for participating as a ST and the perceived benefits of it. Results show that ST's motivation lies within personal interest and possible advantages for future careers by acquiring and improving soft and hard skills.*