

This study aims to enhance teamwork skills among lower secondary school science students through a Learning Activity Package (LAP) using the design thinking process. The research evaluates the experiences of science teachers and students to identify areas for improvement in teamwork skills, which is achieved through interviews and observations in the Empathise & Define phase. Insights from this phase are used in the Ideate & Prototype phase to develop and refine collaborative learning activities, focusing on communication, collaboration, and problem-solving. Rooted in cooperative learning theory and utilising a design thinking framework, the study employs a user-centred approach with tools like personas and user journey maps. The project, through expert evaluations and an iterative design process, aims to contribute significantly to the development of teamwork skills, preparing students for future workforce demands.