PROFESSIONAL TRAINING

"STEM Education - The Modern Classroom"

SINGAPORE EDUCATION NETWORK

1 OR 2 DAYS: STEM EDUCATION - THE MODERN CLASSROOM

Topic	Description
Introduction to STEM Education	Significance of STEM education, teaching menthods, STEM skills, positive classroom culture
Strategies for effective STEM teaching	Effective STEM teaching methodologies, engaging STEM lessons with hands-on activities, cultivate curiosity
Building Scientific Understanding	Inquiry, misconceptions, questioning & discourse, assessments, scientific literacy
Integrating Technology into STEM teaching	Popular STEM teaching technology tools, data utilization, simulation software, gamification tools, learning impact
STEM Learning outside the classrom	Real world STEM challenges, class management, risk management, impact assessment
Implementing Project-Based-Learning	Project design elements, project-based teaching methods, team work, assessement approaches