

KEY HIGHLIGHTS

Hands-On and Experiential Learning

Resource person: Joe Ruhl | Biology teacher and science educator | Curated from TEDx Talks

Hands-On and Experiential Learning | Active Learning Strategies | pedagogy

01

[00:45] Ruhl names classroom technique and relationships as the two foundations of his teaching.

02

[02:05] His five classroom capacities are choice, collaboration, communication, critical thinking and creativity.

03

[04:12] Student activity frees the teacher to observe, question, coach and mentor small groups.

04

[06:24] Units run for two or three weeks and use a menu of activities tied to common objectives.

05

[08:11] The menu includes direct resources, experiments, simulations, reflection and creative demonstrations.

06

[10:36] Listening to student conversations gives the teacher evidence that whole-class delivery can conceal.

07

[11:44] Ruhl adds subject passion and deliberate care as essential parts of the classroom relationship.