Future-Focused Project Based Learning

Deep Learning Pedagogy

Nine optimal conditions for mastering curriculum content and Design Thinking skills

MOTIVATION

Tap into students'
passions and let them
work on problems
that they want
to solve

 $C_{l,q} = D_{e,p} m_{otivation} (d = .69)$ $C_{l,q} = D_{e,p} m_{otivation} (d = .69)$

OLLABORATION

Organise students to work together in small groups of mixed abilities and interests

The control of the c

CONSOLIDAMO

Plan for students to use previously learned skills and knowledge to solve problems

 $D_{ractice}(d=.92)$ Prior achieves

EXPLANATI

Clearly explain to students what they need to know and show them what they need to do

 $\rho_{rob|em-solving} (d = .60)$ Teacher clarity

EVALUATION

(teacher and students)
routinely assess
themselves and others
on what they have done
well and how they
can do better

 $f^{(ection)}(d = .75)$ Self-report of the self-re

DEEP

EXPECTATION

challenge
students beyond their
current level of mastery
and affirm that maximum
effort will lead to
improvement

 u_{dent} effort (d = .71)

EFERENT!

Start where students are at in their levels of thinking and assist them to move to higher levels

 $_{\text{QMS}}(d=1.28)$ Acceleration

MEMORIZAX

Assist students to commit the design process and problem solving strategies to memory

Mnemonics (d = 78

Show students how the experts do it

Station (d = .82) Worked examples (51)