Transforming Education

The secret sauce - having to learn versus wanting to learn







Relevant

Adaptive

Engaging







Transforming Education

Old Delivery – Teacher Centric

Having To Learn!

4 Corners of Classroom

Student Rigor

Students Bored

Teachers Teaching

Teachers is Sage on Stage

Teachers Lecture

Conventional

Step by Step

Linear Processing

Book Based Curriculum

Static / Stand Alone / Manual Assessment

Books

Text First

Knowing Answer – Memorization

1 Dimensional - Text

Digital Age Skills Not Required For Teachers

New Delivery - Student Centric

Wanting To Learn!

4 Corners of the World

Student Engagement

Students Excited

Students Learning

Teacher is Guide on Side

Teachers Listen

Random Access

Parallel Processing

Web Based Curriculum

Connected / Real Time / Automated Assessment

Personal Learning Devices (1 to 1)

Graphics First

Knowing Question - Critical Thinking

4 Dimensional - Audio, Video, Interactive, Linked

Digital Age Skills Required For Teachers / Admin.



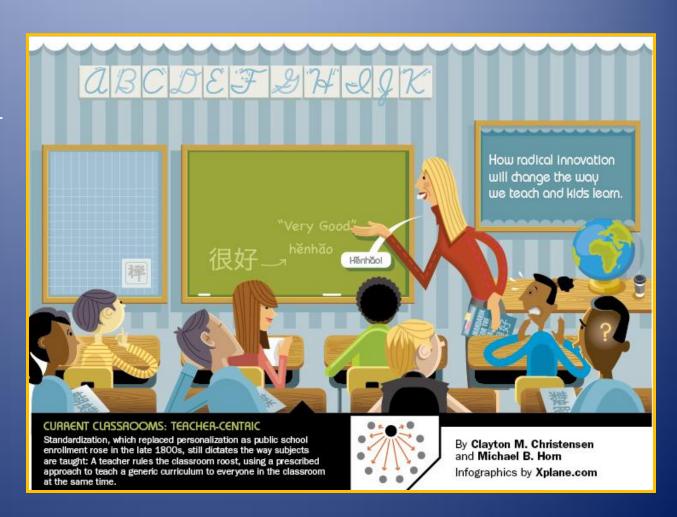
Speed





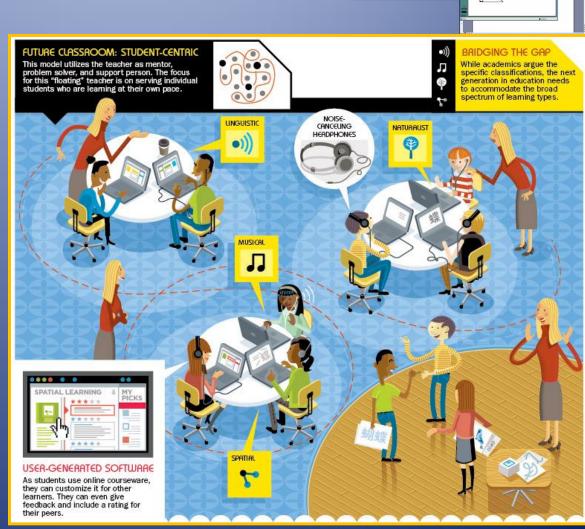
Old Delivery – "Teacher Centric"

- Teacher delivers content –
 "sage on stage"
- Students required to learn at same pace
- 1 to 30 learning



New Delivery - "Student Centric"

- Utilizes the teacher as mentor, problem solver & support person
- Floating teacher(s) serves students learning at their own pace
- Personalized, Paced, Student Centric, Real time, Always On
- Web enabled curriculum & assessment free up teacher
- New ratio time per student not teacher per student
- Online tutor 24/7





Ministry of Education









	More	Less
Remember Why We Teach	For the Learner	To Rush through the Syllabus
	To Excite Passion	Out of Fear of Failure
	For Understanding	To Dispense Information Only
	For the Test of Life	For a Life of Tests
	The Whole Child	The Subject
Reflect on What We Teach	Values-centric	Grades-centric
	Process	Product
	Searching Questions	Textbook Answers
Reconsider <i>How</i> We Teach	Engaged Learning	Drill and Practice
	Differentiated Teaching	'One-size-fits-all' Instruction
	Guiding, Facilitating, Modeling	Telling
	Formative and Qualitative Assessing	Summative and Quantitative Testing
	Spirit of innovation and enterprise	Set Formulae, Standard Answers

Student Centric Learning



5th Grade Math Class - Dana Middle School

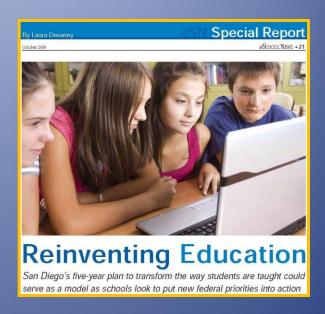
- Web enabled curriculum & assessment
- No text books / Teacher Facilitator
- Every student has a laptop
- Real time results for students / teachers
- Paced and Personalized
- Interactive, bilingual



Credit Recovery - Point Loma High School

San Diego Unified School District (SDUSD) Most ambitious K-12 tech rollout in US

- i21 initiative will provide every student a laptop
- Broadband (Cell & Wi-Fi) built into each laptop.
- 5 year rollout 1/3 of students have received laptops to date
- \$400MM funded with Prop S (\$2.1 BB bond measure)
- Enables web based curriculum & assessment
- Enables personalized, paced, student centric learning & real time diagnostics





Transforming Education



University of California Berkley created its own You Tube channel