



ENGAGED LEARNING

# ENGAGED LEARNING

## *A Transformation*

Today's engaged learning is driving the need for dynamic, versatile, and technology-driven environments. KI strives to advance the transformation from traditional classrooms to engaged learning spaces by understanding learning objectives and determining the factors that may affect implementation.

Recognizing that there is no one best vision for this transformation, KI leverages experience, expertise, and knowledge of educational trends along with our “what, where, when, how” approach to propose relevant, flexible furniture solutions that meet student, faculty and campus community needs, while enhancing the entire learning experience.







# what is in the name

A name is a name, is a name... unless a particular name captures the essence of the desired outcome better than others. Engaged learning has been called many things - *upside/downside pedagogy*, *flipped classroom*, *adaptive learning*, or *active learning*. Call it as you prefer, but let's agree that "engaged" is the ultimate goal of learning.

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# why engaged learning

IT WORKS! – Research suggests and validates that an engaged approach optimizes learning

- Research suggests that the ability to solve problems is improved, conceptual understanding is increased, attitudes are enhanced, failure rates are drastically reduced, and 'at risk' students do better.  
(North Carolina State University: <http://www.ncsu.edu/per/scaleup.html>; University of Iowa: <http://tile.uiowa.edu/> Massachusetts Institute of Technology: <http://web.mit.edu/edtech/casestudies/pdf/teal1.pdf>, <http://web.mit.edu/edtech/casestudies/pdf/teal2.pdf>)
- Ideas and respective research to optimize space for engaged learning began years ago with TEAL (Technology Enabled Active Learning), TILE (Transform, Interact, Learn, Engage) and SCALE-UP (Student Centered Active Learning Environments for Undergraduate Programs) and continues today.

STUDENT RETENTION of information and knowledge – the key to student (ultimately campus!) success

- Traditional Lecture Format = ~ 5 - 15% retention
- Practice-By-Doing = up to 75% retention
- Team-Based/Experiential = up to 90% retention

STUDENT PERFORMANCE – desired, expected

- Active Learning Classrooms (ALCs) improve student engagement in the learning process; help students to outperform final grade expectations, and result in improved learning outcomes.  
(University of Minnesota: <http://www.classroom.umn.edu/projects/alc.html>)

THE FUTURE – STEM (Science, Technology, Engineering and Mathematics)

- Our schools are preparing students for STEM jobs today, thus environments must facilitate learning in these disciplines.
  - 80% of jobs in the next decade will require technology skills yet only 16% of bachelor's degrees in 2020 will specialize in STEM. (US Department of Labor: <http://www.microsoft.com/en-us/news/presskits/citizenship/docs/STEM-IG.pdf>)
  - Approximately 2.1M new jobs in STEM areas will exist by 2020.  
(US Bureau of Labor Statistics: <http://www.poly.edu/press-release/2013/04/18/nyu-poly-partners-heap-offer-stem-education-middle-school-students>)
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# when to implement and what to consider

IF the following elements are part of the overall learning objective...

- Adaptive pedagogy
- Project / Team Work
- High interaction (small / medium / large group)
- Pre-work
- Assessment
- Immediate learning via dynamic exchange
- Technology

THEN implement with the following considerations...

- Faculty / Staff development
- Intent of technology (caveat—wire management)
- Flexibility: balance of fixed vs. mobile ("managed chaos")
- Code
- SCALE-UP as foundation, with any deviation rationalized and validated based upon need and objectives (i.e. square vs. round table, 9 students vs. alternate number of students, etc.)
- Structural elements (encumbering vs. enhancing)





ACTIVE LEARNING

UPSIDE  
DOWNSIDE PEDAGOGY



ADAPTIVE LEARNING

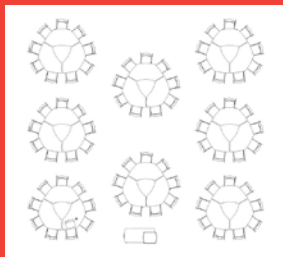


FLIPPED CLASSROOM



# ENGAGED LEARNING

Directionally, when shifting from a “traditional” classroom to an Engaged Learning format, factor an approximate 30% increase in square footage per student.



## STEP 1 ASSESS NEEDS

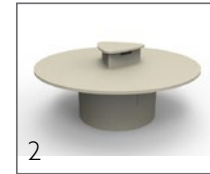
### TECHNOLOGY

What technology will be used in the space?

### FLEXIBILITY

What is the expected proportion of teaming, individual and lecture activities in the space? Will the room need to “change” its configuration to meet the needs as desired?

**fixed PACKAGE** (Ideal for: high technology, low / no flexibility)



Client supplier provides technology.\*\*

**Option 1:** Increased visibility with larger, flat surface. Clear leg area.

Reference Recurring Options Worksheet #SZ1801.

**Product Description:** 1-1/4” laminated round 84” worksurface supported by laminate or veneer cylinder base, optional PowerUp® modules or custom worksurface cutout, optional access panels available on cylinder base.

**Option 2:** Raised platform for in-class handouts with easy access to technology. Clear leg area.

Reference Recurring Options Worksheet #SZ1802.

**Product Description:** Includes everything in option 1, plus a removable riser top.

#### Additional considerations:

- Mobile Whiteboards
- Whiteboard Laminate Table Surface (upcharges apply)
- Hub® Power Module
- Café Height
- Seating Suggestions: Strive®, Torsion Air®

ADDITIONAL OPTIONS FOR **BLENDED** AND **FLEXIBLE** PACKAGES (does not apply to fixed package):

# how to choose the optimal package

## STEP 2 CHOOSE PACKAGE

consider trade-offs and balance of benefits

The higher the level of technology present, the greater the need for a higher ratio of “fixed” elements.

**High = fixed • Medium = blended • Low / No = flexible**

Low / no need to “change up” the room denotes a need for low/no flexibility. It also allows for optimized leg space as no table legs are needed. High teaming and need to “change” suggests higher need for flexibility (but is in direct conflict with higher technology).

**Low / No = fixed • Medium = blended • High = flexible**

### blended\* PACKAGE (Ideal for: medium technology, medium flexibility)



3



4

Client supplier provides technology.\*\*

**Option 3:** Multi-use and flexibility beyond SCALE-UP application. Tables pull apart. Designation of space through leg width.

Reference Recurring Options Worksheet #SZ1803 for base, and quantity 3 standard Enlite® model #ETDSU24 for tables.

**Product Description:** Three standard Enlite® SCALE-UP tables (84") around a 1-1/4" laminated triangle bow front worksurface supported by metal base with 5/8" laminate side panels. Optional grommets or custom worksurface cutout, and removable side access panel.

**Option 4:** Round table remains true to SCALE-UP theory. More leg-friendly option. Reference Recurring Options Worksheet #SZ1804 for base, and quantity 3 #SZ1805 for tables.

**Product Description:** Three custom Trek® tables (84") with casters. Ganging devices under worksurface for use around 1-1/4" laminate or veneer cylinder base with optional PowerUp® modules or custom worksurface cutout and optional access panel.

#### Additional considerations:

- Mobile Whiteboards • Glides versus Casters • Hub® Power Module
- Whiteboard Laminate Table Surface (upcharges apply)
- Seating Suggestions: Strive®, Torsion Air®
- Leg Options: Enlite®, Trek®, HurryUp!®, Inquire®

### flexible\* PACKAGE (Ideal for: low / no technology, high flexibility)



5



5



6

**Option 5:** Multi-use and flexibility beyond SCALE-UP application. Tables pull apart. Designation of space through leg width. Assumes no need for wire management.

Reference quantity 3 standard Enlite® or Pirouette™ table models #ETSU24, #PIFS3072 (fixed) or #PINS3072 (nesting).

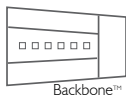
**Product Description:** For description, see Enlite® or Pirouette™ Models #ETSU24, #PIFS3072 or PINS3072 within the contract tables price list.

**Option 6:** Round table remains true to SCALE-UP theory. More leg-friendly option. Assumes no need for wire management. Reference Recurring Options Worksheet quantity 3 #SZ1805 for tables.

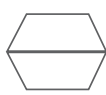
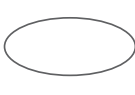
**Product Description:** Three crescent shape Trek® tables (84") with 1-1/4" laminate worksurface. Trek® table bases with casters. Ganging device under worksurface.

#### Additional considerations:

- Isle™ Power Tower • Glides versus Casters
- Mobile Whiteboards
- Whiteboard Laminate Table Surface (upcharges apply)
- Seating Suggestions: Strive®, Torsion Air®
- Leg Options: Enlite®, Trek®, HurryUp!®, Inquire®



Backbone™



These options fall outside of the SCALE-UP parameters in shape and capacity. However, each serves needs that may not be met when using round tables.

\* Consider structural elements (encumbering vs. enhancing)

\*\* Client orders technology from a preferred supplier to ensure technology integration specific to campus vision.



VIEW THE LEARNING ENVIRONMENT  
SWEET SPOT WHITE PAPER



**KI FIELD TEAM:**

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**ACCESS THE RECURRING OPTIONS  
WORKSHEET TO START YOUR ORDER**

**<http://portal.ki.com/CO/default.aspx>**

*Option 5 Pirouette™ Table designed by Giancarlo Piretti*

KI  
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