

Delivering Optimal Educational Programs in Secure Environments

A Presentation for:

The Interagency Task Force on Juvenile Correctional Centers

August 23, 2016

MOSELEYARCHITECTS

Designing solutions. Building trust. Enriching lives.

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Today's Presenters

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Carrie Henaghan, AIA

Agenda

How Students Learn

Types of Educational Spaces

Trends in Educational Facility Design

Creating Secure Classrooms of the 21st Century

Questions and Dialogue

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How Students Learn

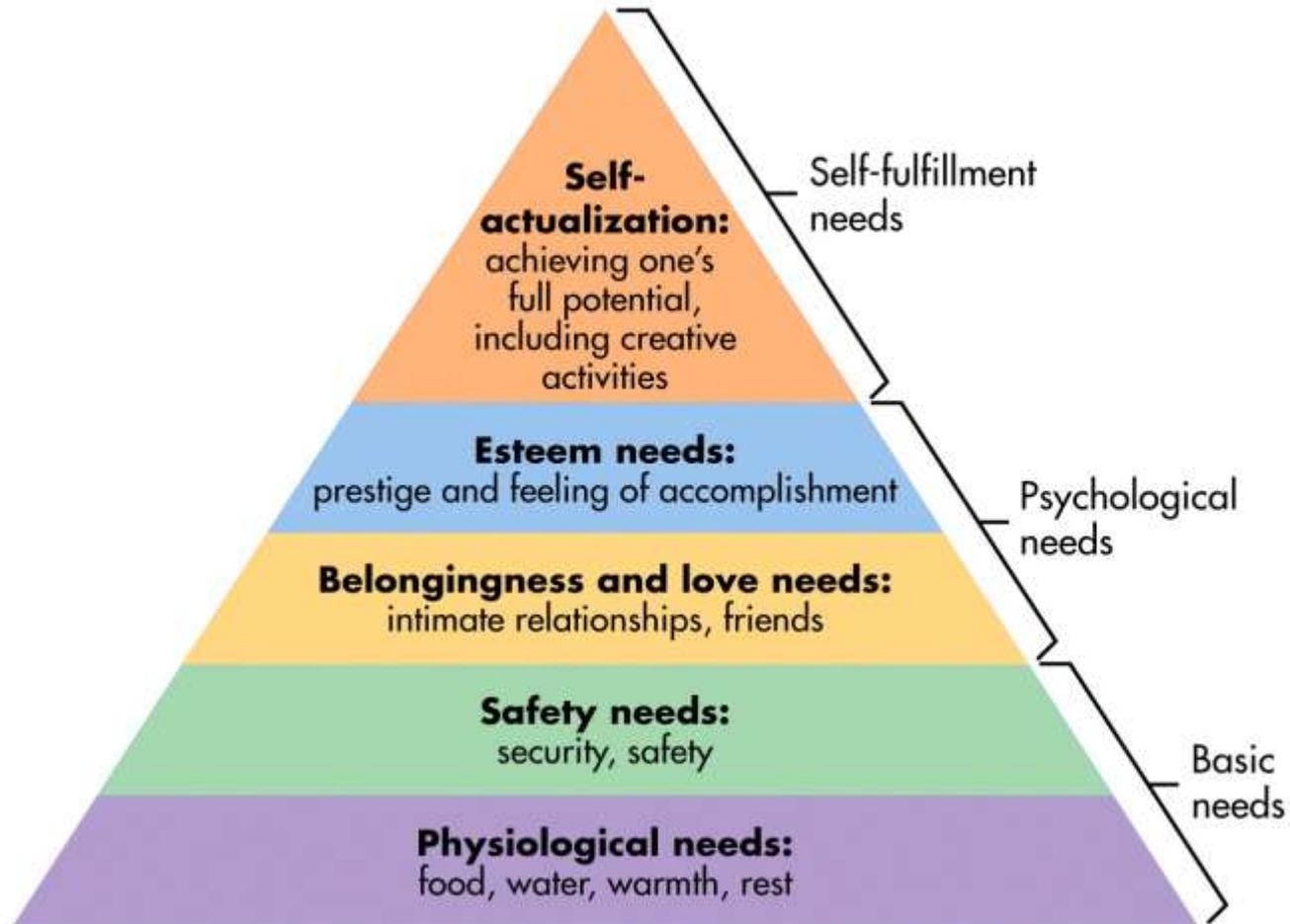
Types of Educational Spaces

Trends in Educational Facility Design

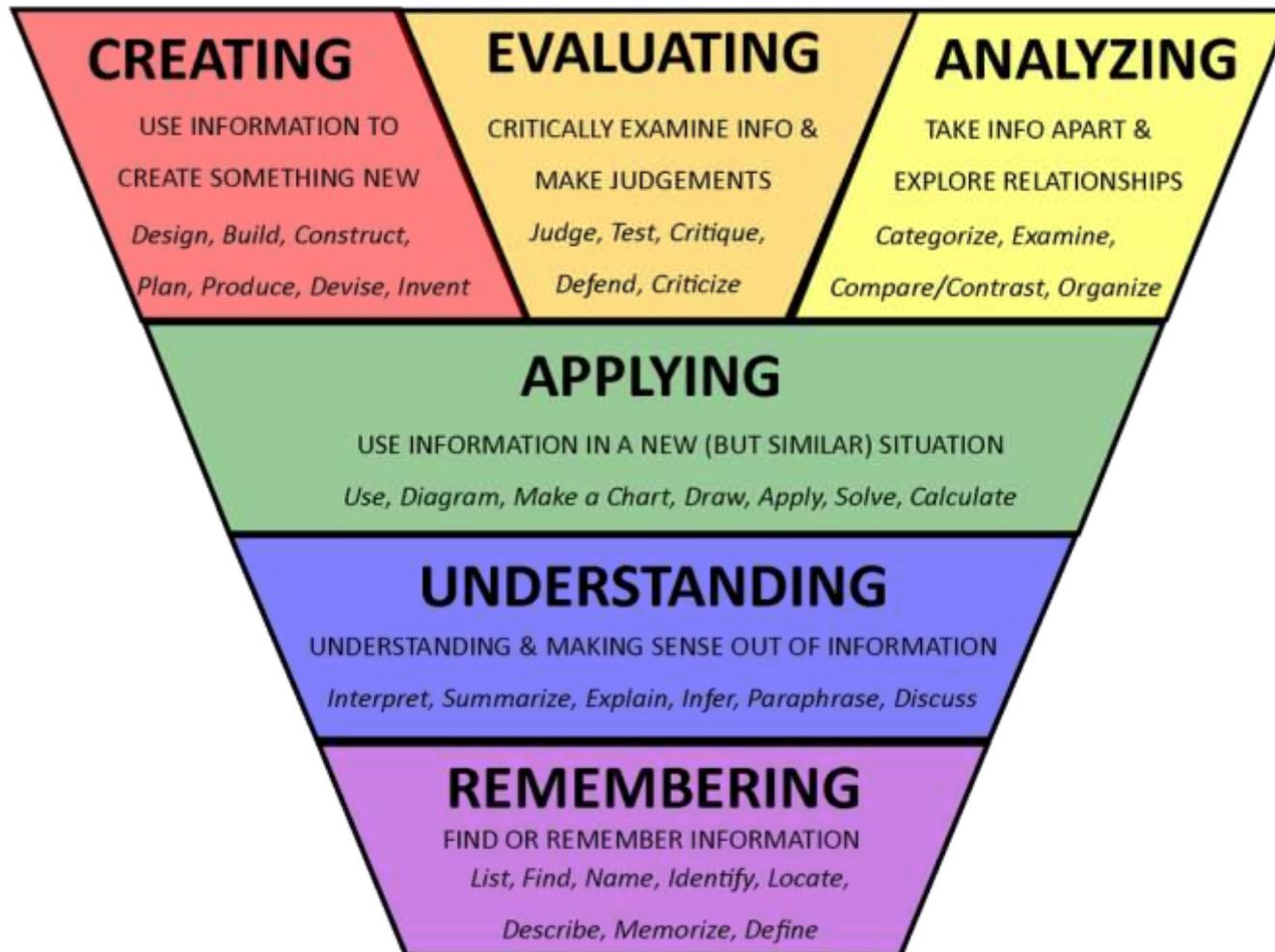
Creating Secure Classrooms of the 21st Century

Questions and Dialogue

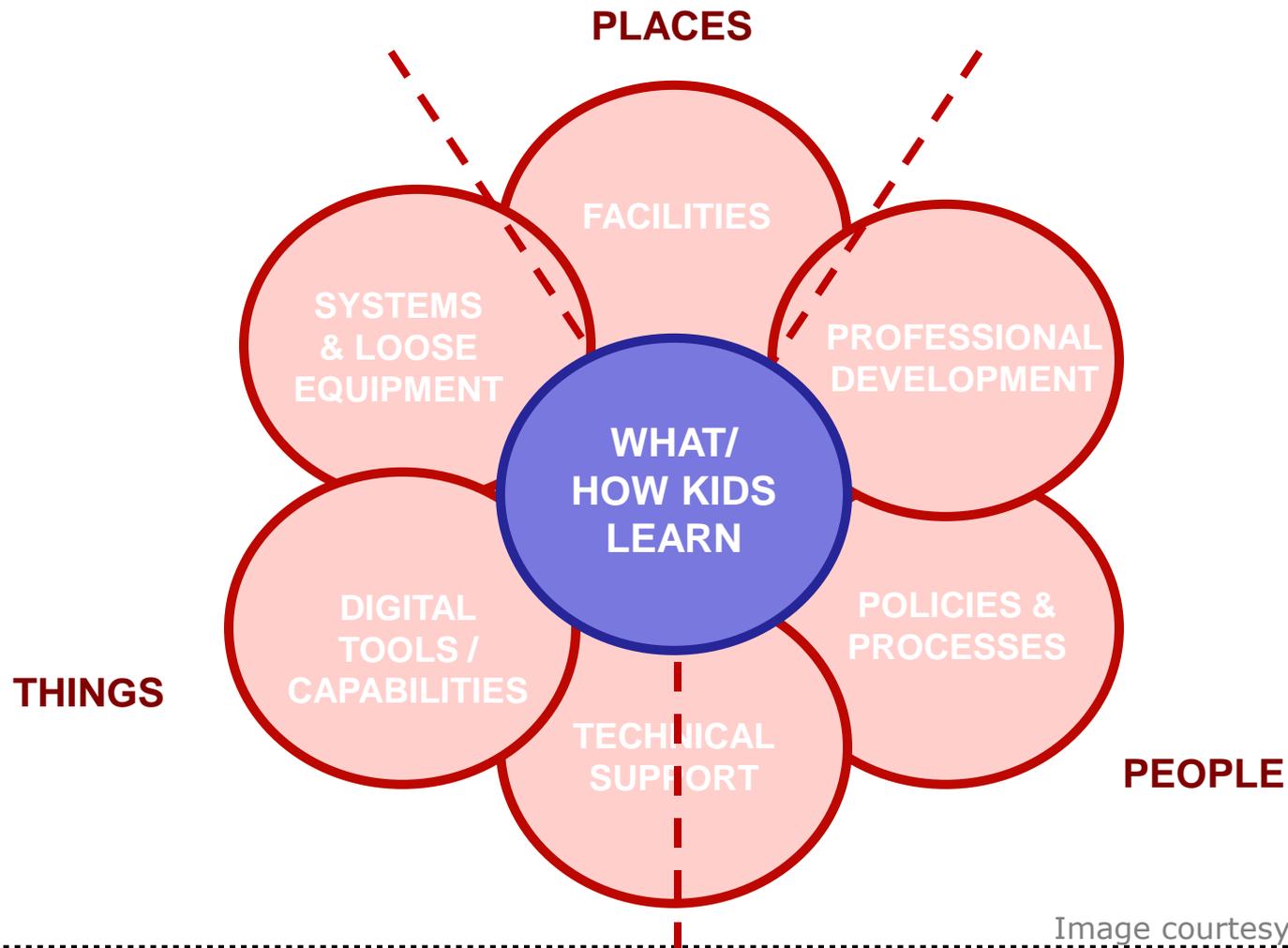
Maslow's Hierarchy of Human Needs



Bloom's Taxonomy of Learning



Coherent Planning Process



Continuum of Learning Cultures

TYPE of LEARNING CULTURE

TRADITIONAL CULTURE

(Teacher Centered
Summative
Assessment)

**Textbooks &
Manipulatives**
(Pencil and Paper)

TYPICAL DISTRICT

(Teacher Centered
Summative
Assessment)

**Textbooks &
Manipulatives**
(Pencil and Paper,
Computer Labs
A Few Classroom
Computing Devices)

STUDENT CENTERED LEARNING

(21st Century
Learning Methodologies,
Formative Assessment)

**Textbooks,
Manipulatives,
Some Digital
Content**
(Minimum 2:1
Computing Devices
Digital Mgt. Tools)

STUDENT CENTERED LEARNING

(Total Digital, Differentiated
Learning, Formative &
Competency Assessment)

**Web Based,
Digital Content**
(1:1 Computing
Devices, Digital
Mgt. Tools)

INDIVIDUAL LEARNING PLANS

(Formative &
Competency
Assessment)

**Web Based,
Digital Content,
Anywhere Any Time**
(1:1 Computing
Devices, Digital Mgt.
Tools)

TOOLS

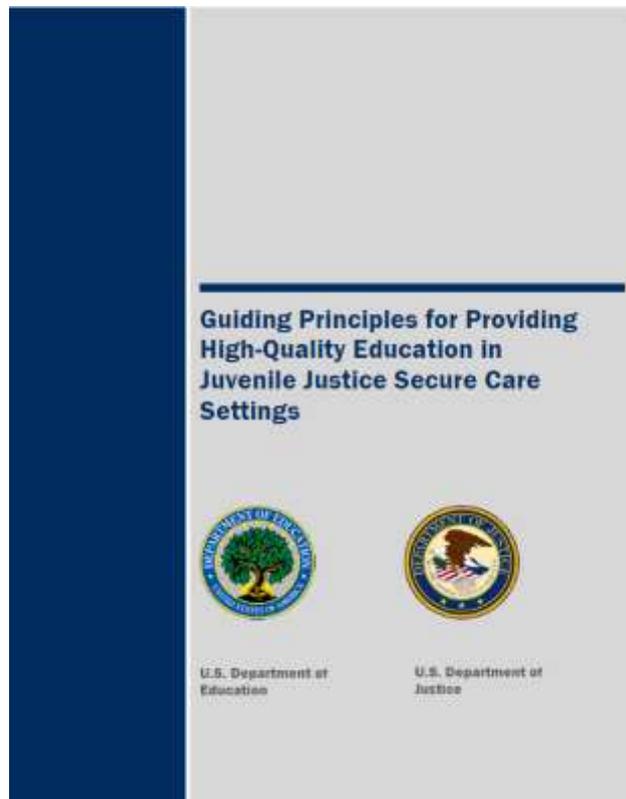
Academy to Envision Tomorrow's Schools

“In designing learning environments for the future, what do you as a highly effective teacher believe should be the priorities for those designs?”

- **Accessibility-** designed to meet the needs of all students
- **Informal-** casual and comfortable settings
- **Exciting-** uplifting for the students; a place where they and their performance is recognized/celebrated
- **Flexible-** spaces which can be used for multiple purposes and accommodate multiple configurations for current and future instructional needs
- **Safe and healthy-** promotes a sense of both emotional and physical safety
- **Student-centered-** all of the above along with creating an environment within which students know they can discover new knowledge and relevant challenges that become worthwhile and relevant lessons

Responsibilities and Challenges

Juvenile justice agencies have responsibilities and face challenges similar to those in the traditional school system, as well as others unique to juvenile justice care, including:



- Student engagement and behavior management
- Access to highly qualified and effective teachers
- Diverse student educational needs and multi-level classrooms
- Reentry planning
- Security concerns and access to technology
- “Expect that facilities should offer educational facilities that will **improve short- and long-term outcomes for each student**, rather than treat education as a supplemental service, recreational activity, or reward for good behavior”
- “Students often enter with significant academic deficits and a heightened **need for exposure to teachers with the tools necessary to close achievement gaps** and motivate students to seek opportunities for educational success.”
- “**Integrating technology-enhanced learning** in the secure care classroom is critical to achieving positive outcomes for youths in these settings...many facilities have identified strategies to implement technology-enhanced learning while maintaining a secure learning environment.”
- “**Provide access to postsecondary programming, including college and career and technical education**, that prepares students for a successful transition to adulthood.”

Task Force's Interim Report

- The highly secure environment should be designed for **gains in student achievement**
- Maintain the **safety and security needs** of the staff, residents, and the surrounding community
- **A child-centered, individualized environment should be standards based and focused upon the eventual step-down of the students and their eventual reentry into the general population**
- Given the diverse needs of the student population, the environment should **promote several pathways to school completion**, including college readiness, workforce readiness, and other post-secondary steps
- Similarly, the complex array of educational challenges (special education, ELL, trauma, behavioral issues) require **specialized educational programming and treatment that must be present**
- To accommodate individualized learning, and to support growth in student achievement, the **technology infrastructure should be modern** and offer personal computing devices
- Distance learning, outside education, project-based activities, a productive and rewarding learning environment, and more should be components
- Appropriate **career and technical labs/learning centers** should be programmed
- **Art and music** education should be incorporated
- Promote **environmental design requirements** such as daylighting, sound absorption, color selections, and more
- Program spaces for **family engagement**, large group meetings, and celebratory gatherings
- Provide spaces for individual student behavioral **reflection** sessions
- Consider a **college “dorm-like” housing design**
- Incorporate design features that **promote rigorous and sustained treatment and rehabilitation**

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Questions and Dialogue



Where Kids Learn Matters

The classroom environment affects student health, productivity, enthusiasm, attitude, and ability to learn



Where Teachers Teach Matters

The workplace environment affects teacher health, productivity, enthusiasm, attitude, recruiting and retention



Types of Educational Spaces

General Academic



Types of Educational Spaces

Laboratory



Types of Educational Spaces

Career and Technical Education



Types of Educational Spaces

Library



Types of Educational Spaces

Presentation and Celebration



Types of Educational Spaces

Fine and Visual Arts



Types of Educational Spaces

Reflection Rooms



Types of Educational Spaces

Family and Counseling



Types of Educational Spaces

Recreation



Types of Educational Spaces

Support Spaces



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Educational Space Characteristics

Safe, Secure, and Therapeutic



Educational Space Characteristics

Student-centered, engaging, motivating

- Exciting and uplifting
- Collaboration space for students
- Project-based learning/hands on learning
- Display of student work



Educational Space Characteristics

Extension of the classroom
(Every space is a learning space)



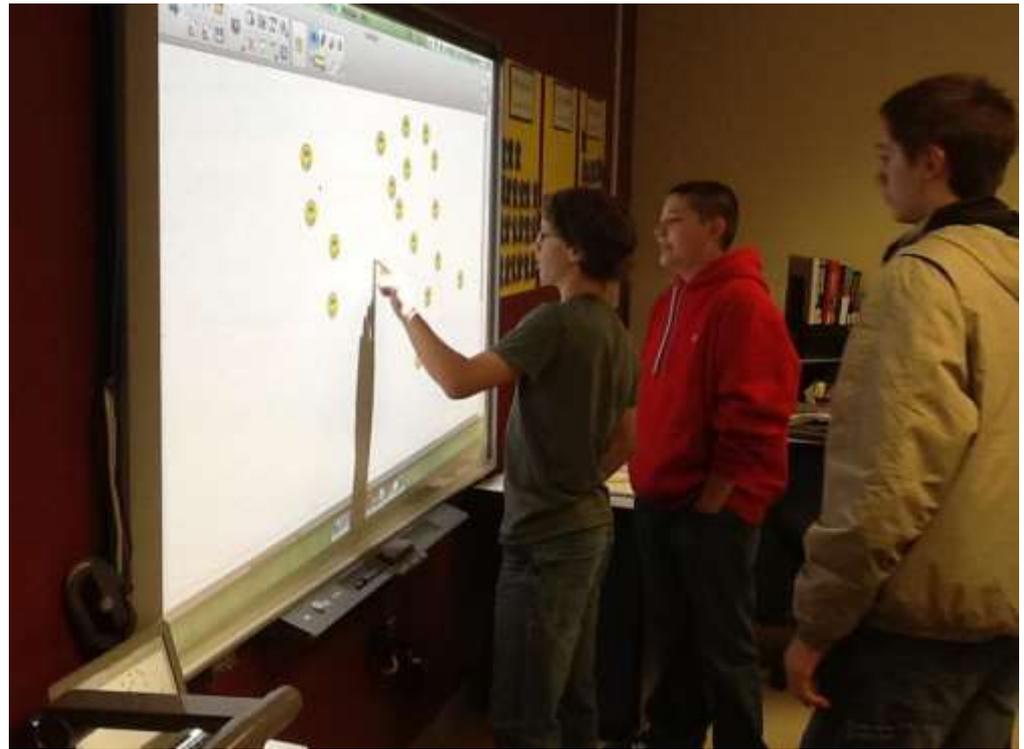
Educational Space Characteristics

Outdoor Learning



Educational Space Characteristics

Access to Technology



Educational Space Characteristics

Library Redefined

- Technology**
provides access to
reference materials
- Fiction books**
- Collaboration space**
- Maker space**
- Study space**



Educational Space Characteristics

Good Indoor Environmental Quality



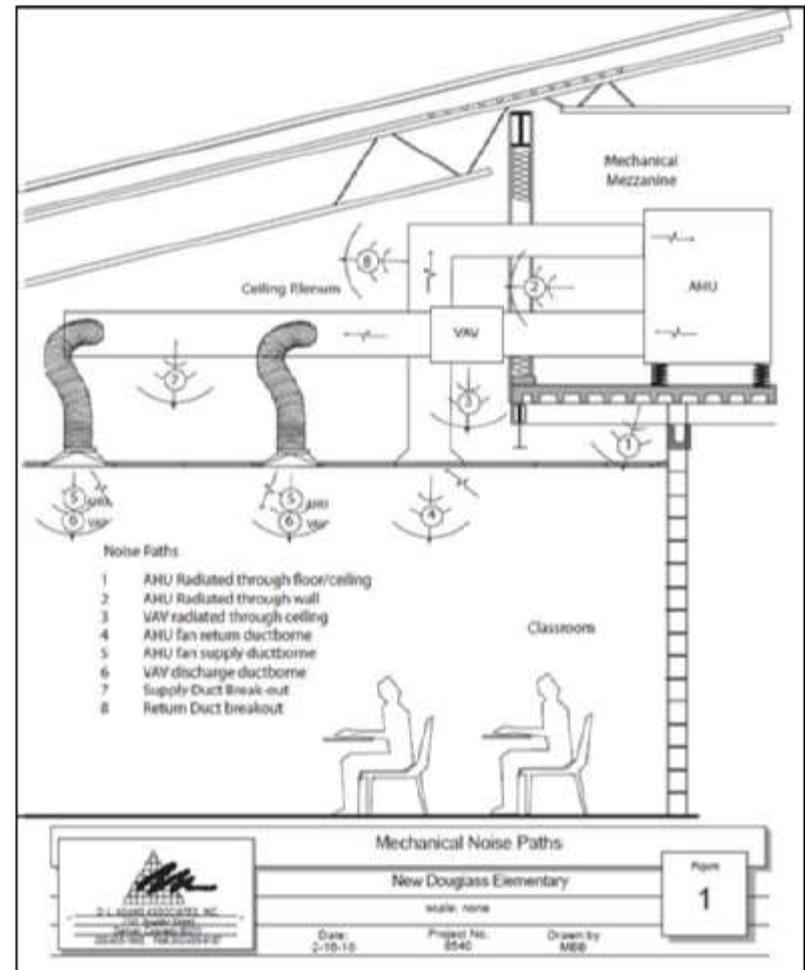
Educational Space Characteristics

Good Acoustics

Background Noise

Reverberation Time

Sound Transmission



Educational Space Characteristics

Quality Light and Daylight Availability



Educational Space Characteristics

Allow Movement to Improve Brain Function



Educational Space Characteristics

Flexibility is Paramount

- Multi-purpose
- Reconfigurable
- Appropriate Furniture
- Ergonomically Correct Learning Stations



Design Principles

Safe, secure, therapeutic

Student centered design, motivating, engaging

Every space is a learning space

Access to technology

Redefined Library

Quality environment – air quality, acoustics, lighting

Allow movement of the students

Flexible

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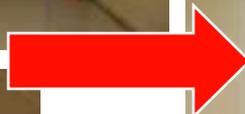
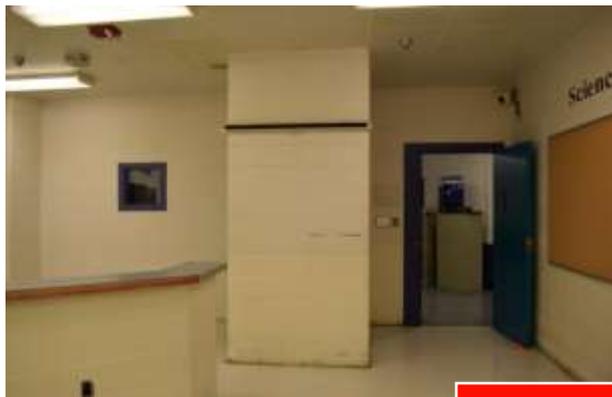
Redefined Library

Quality environment – air quality, acoustics, lighting

Allow movement of the students

Flexibility

Safe, secure, therapeutic



Student-centered and motivating

- Variety of finish materials
- Interactive learning space
- Wall as dry-erase board
- Glazing allows for good sightlines in and out



- Access to appropriate technology
- Pleasing color palette
- Fosters collaboration and pro-social behavior
- Space to display work

Technology



Image courtesy of GTL

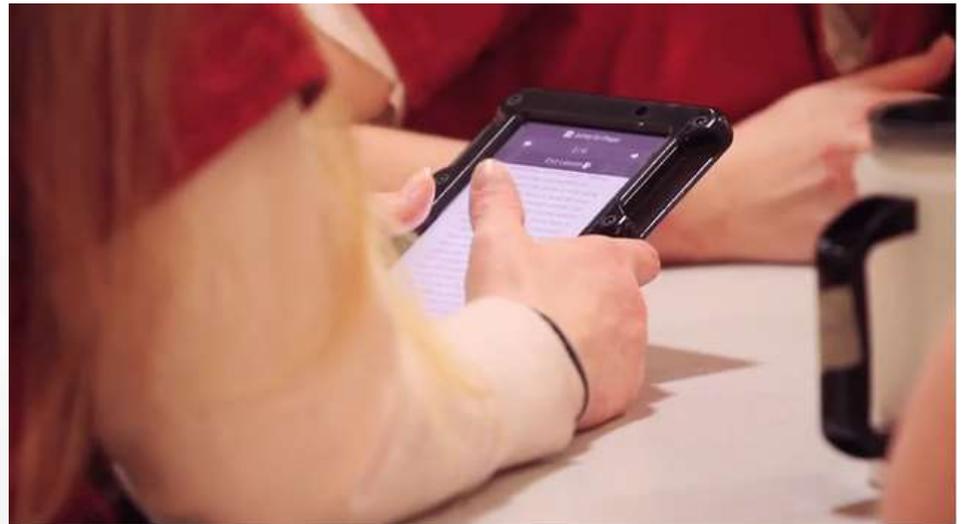


Image courtesy of Edovo

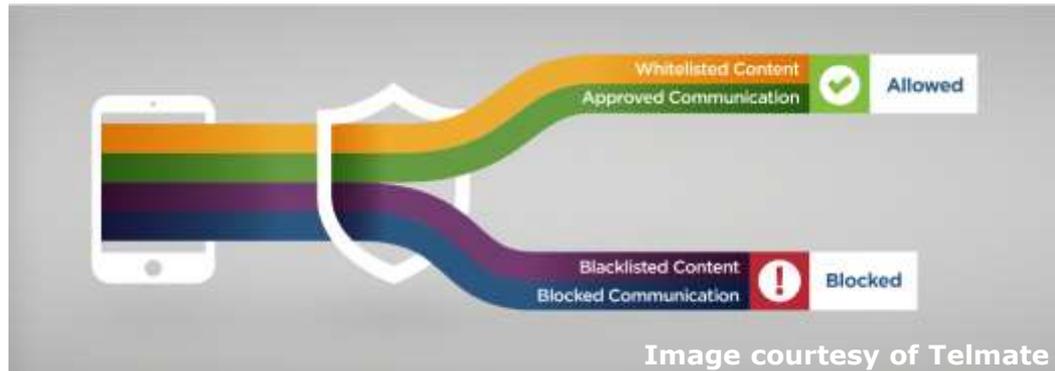


Image courtesy of Telmate

Redefined Library



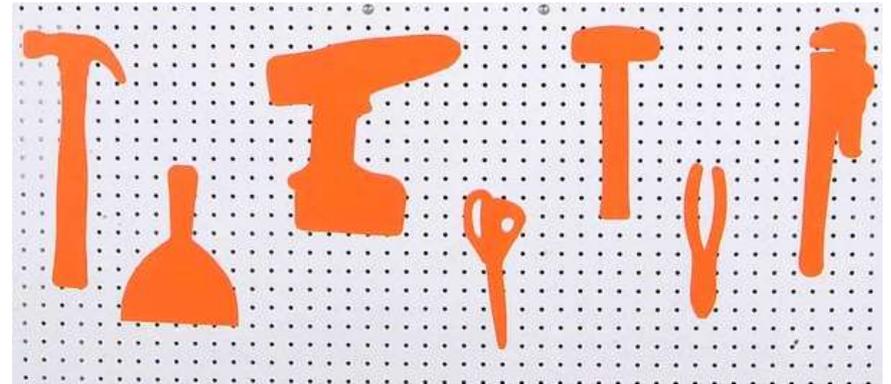
Indoor Environmental Quality



Movement



Flexibility



Ample storage space is essential for maximum flexibility



Moving Forward



- Should students stay in the classrooms and teachers rotate through, or can students changing classes be a learning opportunity, too?
- How much educational program is desired within the housing unit?
- Where and how will the local detention and transitional housing populations be educated?
- What Career & Technical courses can be offered to a state responsible student population of 64?
- What regular facility assets can be used for instructional purposes (i.e., recreation and gymnasium spaces, kitchen for culinary arts, shop for electrical/building trades)?