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Technical Training Yesterday





Technical Training Today





Our Challenge



RENOVATE DORMS

INFLEXIBLE NETWORK

FIXED CURRICULUM

FLEXIBLE SPACE

DYNAMIC INFRASTRUCTURE

**CREATIVE COMPETENCY
BASED LEARNING**

TRANSCENDENCE

**FORGING OUR NATION'S
WARRIORS**

**SELF
ACTUALIZATION**

**COMPETENCY
BASED LEARNING**

AESTHETIC

**DORMS AS A
WEAPONS SYSTEM**

COGNITIVE

SCALE-UP

ESTEEM

**DELIBERATE FACULTY
DEVELOPMENT**

BELONGING AND LOVE

**EVERY AIRMAN
HAS A VOICE**

SAFETY

READY

PHYSIOLOGICAL

**AIRMEN
HUMAN PERFORMANCE INITIATIVES**

81 TRW Tech Training Transformation

INFRASTRUCTURE

- Increased Classified Space: Emerging Information Warfare Requirements
- Mississippi Cyber & Technology Center – Cyber/STEM Synergies
- Power/Connectivity Mods – Classroom Modernization
- Deliberate/Phased/Strategic infrastructure Renovation Plan “Digital Triangle” / Dorms as Weapons System

CLASSROOM MODERNIZATION

- IT Refresh – Continuous/Data-Informed Prioritization
- IT Upgrades – Software/Hardware/Devices
- Active/Student Centered Environment
- ★ • T4: Teach, Technology, Tailor, Traverse

★ CONNECTIVITY

- 5G Campus
- Expanded Wireless...Beyond Traditional Classroom
- Digital Study Spaces/Common Areas

LEARNING DELIVERY

- AR/VR Expansions
- AI/ML Applications

HUMAN PERFORMANCE

- Sleep / Study Skills / Occupational Assessments ★
- Comprehensive Airman Fitness – Staff **AND** Student Focus
- Leverage Partnerships with MDG, HPW, UVA, Mississippi State University

FACULTY DEVELOPMENT

- Better-Up Coaching ★
- Competency-Based Approaches
- Matrix of Opportunities – Personal/Professional Development Paths

RESOURCING MODELS

- SBIR/STTR
- CRADAs / EPAs
- Group Innovation Cell – Resource Advisor, Chief Technology Officer, Innovation Officer

LEARNING ARCHITECTURE

- Cradle to Grave - Data Analytical Focus
- Qualtrics
- Integrated Learning Platforms
 - Real-Time Student Performance Analytics
 - Learning Delivery (i.e. Gamification)
 - Schedule Tools
 - Student Accountability Tools

PEOPLE

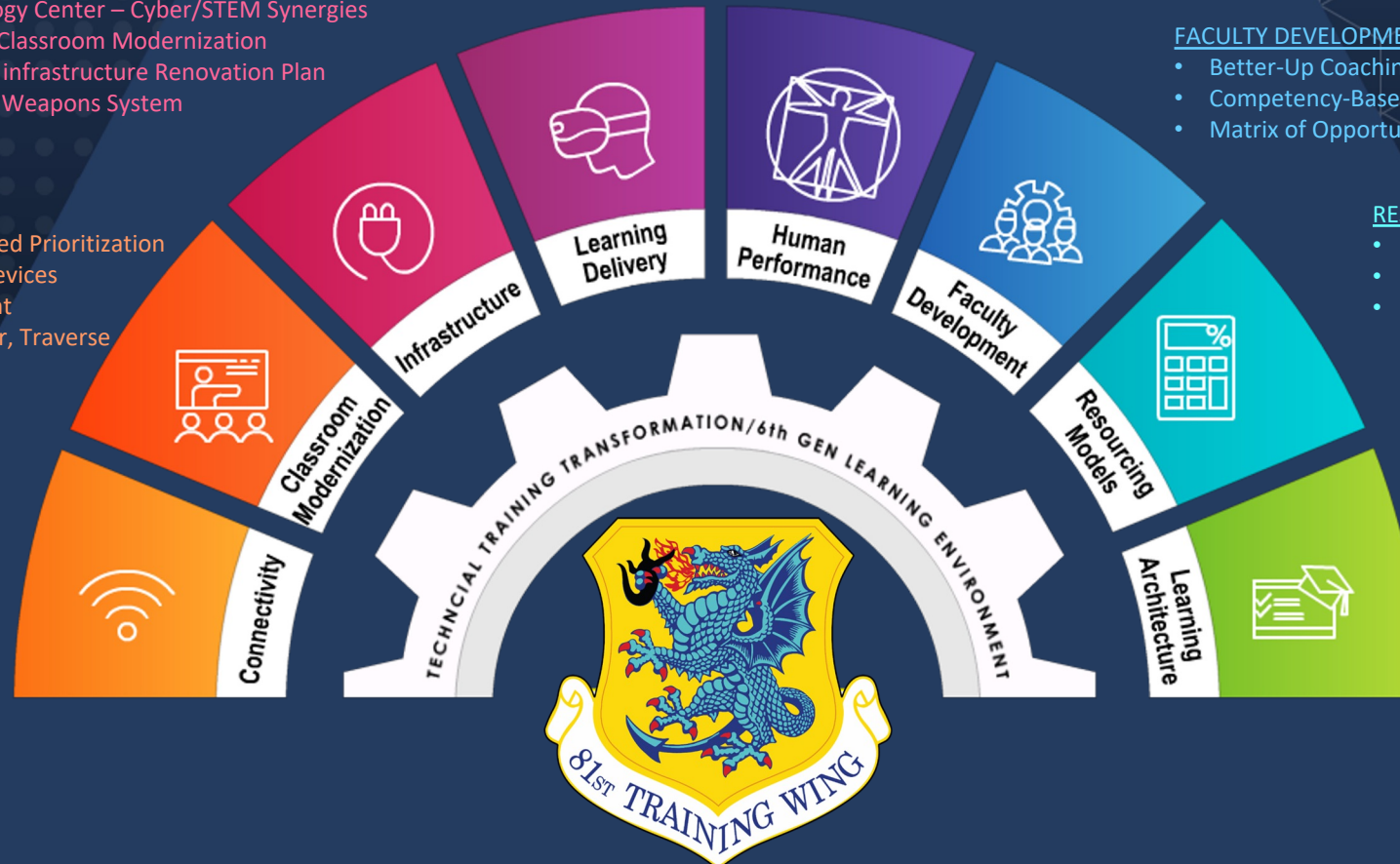
- Sharpen Human Weapon System
- Deliberate Faculty Development
- Data-Driven Manpower Utilization

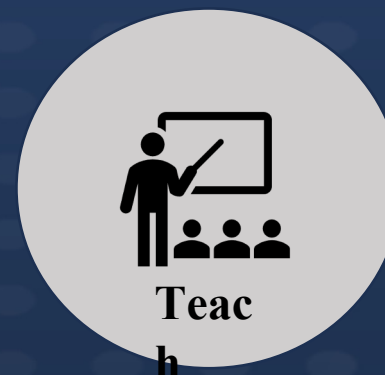
PRODUCTION

- Key Student Management Analytics
- Transformational Technology
- Bolster Innovation Mindset

Professionalism

- Academic Responsibility
- Back to Basics
- Cultivate Resilient Warriors





**Data/tech feedback
on prioritization**



**Operational data
to drive training**



**Tech to develop
tailored
curriculum**



**Compiled data to
reshape curriculum**

Our Goal

"It takes a lot of hard work to make something simple, to truly understand the underlying challenges and come up with elegant solutions."

- Steve Jobs



Flexible

content & faster curriculum development



Adaptable

technology & learning pathways



Agile

learning environment & student interface

Challenge to Industry



Physical Space



Modernization



**Innovative
Technology**



**Easily Adaptable
Solutions**

“I want it all and I want it now.”

- Freddie Mercury



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