



Classroom of the Future: Next Generation Learning Spaces

Next generation learning spaces will inspire and support early adopters that can bring the Naval Postgraduate School (NPS) to the forefront of advanced education.

In a big data environment, faculty and students need virtual and physical learning spaces supporting adaptive and thought-provoking experiences.

Classrooms of the future have:

- Space for innovative and forward-thinking activities enabling experiential learning.
- Modular furniture, advanced IoT technology and interactive walls.
- Capabilities integrating virtual reality and real-time distance learning (DL).



Real-Time, Adaptive Teaching for Enhanced and Personalized Education

Today, education is linear; students study the same topics, at the same time, and at the same speed. However, this approach leaves some students behind while not challenging others.

In contrast, personalized education challenges students, connecting learned skills with students' background, interests and desired education.

- Move toward a transdisciplinary teaching approach.
- Enhance deep learning with innovation, data-driven models, and hands-on virtual and classroom experience.
- TED-like talks by subject matter experts complement traditional teaching.
- Mixed media resource covering topics from publishing, presentation, and study skills, to math and writing.

A Modern Learning Ecosystem

Modern learning ecosystems integrate social media and personalized learning to revolutionize Teaching and Learning by:

- Building an engaging and collaborative education, overcoming psychological isolation through an interactive learning community
- Enabling data-driven 21st century learners with bite-sized short and intense educational materials
- Embracing crowdsourcing and social learning platforms for exchanging ideas
- Allowing users to seamlessly learn using mobile devices for hands-on training and labs
- Supporting lifelong learning with asynchronous and hybrid education
- Allowing room for failure to promote learning, innovation and paradigm shifting

Classroom of the Future

Space for innovative forward-thinking activities & engaging non-linear learning

