

Fall School Councils' Conference

Capital Planning, facilities management and modernized learning environments





Your Hosts

Chris Hanlin, Director of Operations

Ben Yu Schott, ADM, Corporate Services



Presentation Outline

- A brief introduction to the capital and maintenance planning process
- The Facilities team in Education and how they work with school administration and school councils for capital and maintenance planning and activities
- Modernized learning environments and key building blocks going forward for Yukon schools
- Questions



Capital Planning Cycle

- Annual – includes identifying needs
- Coordinated centrally
- For all Government of Yukon buildings including schools.
- Looks at short, medium, long term needs



- We look at schools we need to build, replace, maintain and modernize.
- Updates to the government's capital plan are issued each spring with the territorial budget and we are able to provide specific details about the year ahead at that time.

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- Some examples of the criteria and considerations in capital planning for schools are to:
 - ensure Yukon schools are safe and meet or exceed all appropriate safety standards, such as age and seismic assessments.
 - ensure schools are fully accessible for students with mobility needs.
 - Optimize existing space

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- Regular building maintenance activities happen as required throughout the year. Includes smaller scale items such as replacing a fixture or fixing a boiler.
 - Both our capital investments and maintenance activities are informed by the school administration and through school identified needs.
 - Input is done through Archibus systems at the schools



Facilities and Transportation

- Our Project Managers visit each school regularly and walk the facility with Principals
- During these walks we identify programming related renovations and opportunities to modernize learning spaces



Facilities continued

- When larger issues are identified, our project managers initiate the documentation to have the work entered into the Property Management planning process (Capital Planning or maintenance) with Highways and Public Works (HPW)
- Once projects are in the implementation stage our team members work with the schools to ensure they are aware of the scope of the project and that there is minimal interruption to programming when work is being done

Building Blocks for future planning



- Flexible, multi-use learning spaces
- Applying Yukon First Nations ways of knowing and doing
- Connection to the land through outdoor learning spaces
- Adaptive
- Yukon climate ready
- Inclusive for all learners
- Mobile technology

Modern Yukon Learning #1

Theme: Design Challenges & Opportunities

Personalizing Learning



Student Directed



Collaborative

Modern Yukon Learning #2

Theme: Design Challenges & Opportunities (continued)

Inter-Disciplinary



Nature as a School



Safe & Secure

Modern Yukon Learning #3

Theme: Design Challenges & Opportunities (continued)

Community as School



Life Long Learning

Globally Networked





Evaluation & Planning

Purpose: Identifying Our Priorities

ANALYZE

Where are Yukon schools at today?
(capacity, age, etc.)

DESIGN

Creation of a “functional plan” as a base

PRIORITIZE

Which schools are at the most risk today?
(increasing enrolment, condition, safety, etc.)

PLAN

Continue to refine our 10 year plan to accomplish the work



Safety & Accessible

We want to ensure Yukon Schools Are Safe and Meet or Exceed All Appropriate Safety Standards

Potential Design Standards:

- National Building Code (NBC)
- National Energy Code (NECB)
- YG Design Requirements & Building Standards Manual
- ASHRAE
- Universal Design Guidelines
- LEED

We work to ensure that Yukon schools are Fully Accessible for all Students

Including

- Barrier free access
- Support for health & dental programs

Yukon First Nations

Learning Spaces Influenced by Yukon First Nations Ways of Knowing and Doing



Natural

Use of natural materials such as wood to create warm & welcoming learning spaces

Elders

Spaces for Elders purposefully adjacent to the heart of the schools that are close to the entry and gathering areas



Cultural

Design that is connected to and supported by outdoor learning spaces



French Language

Support for the Demand for French First and Second Language Learning Environments

High School

Building of a new high school dedicated for French first learning

French Immersion

Delivering programs in existing schools (e.g. Selkirk)

Aligned With Learning

Design That Aligns With Modernizing Education and Curriculum



Flexible

Modular desks, movable walls, book shelves on wheels, etc.

Visible

Use of glass, formal and informal spaces



Natural

Spaces that embrace natural lighting and the connection to the land

Modern Spaces

Design That Aligns With Modernizing Education and Curriculum

Open

Less hallways, large learning
“watering hole” spaces
surrounded by learning studios
and close to outdoors



Comfort

Learning studio designed as
comfortable and flexible
“campfire” spaces for
collaborative learning

Warm

Quiet “cave” spaces for
individual study and reflection



Optimally Sized

Yukon Schools Are “Right-Sized” to Support Learning Outcomes

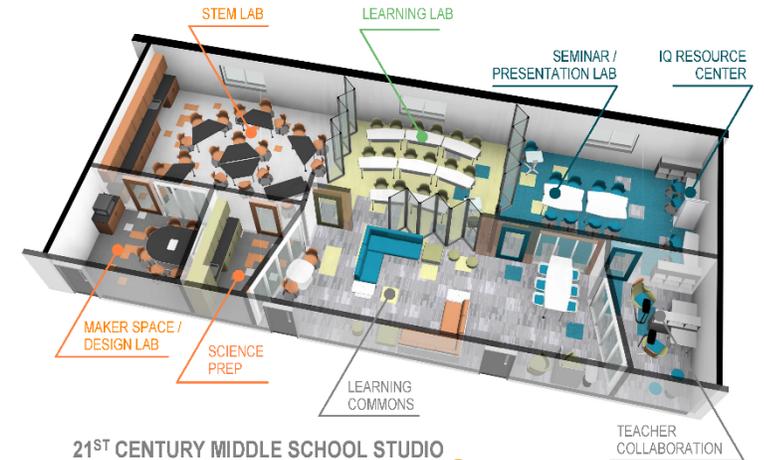


Scalable

Schools are built based on the catchment area and expandable to accommodate future growth

Core Programming

All schools are designed with core programming learning spaces based on the scale



21ST CENTURY MIDDLE SCHOOL STUDIO

Adaptive

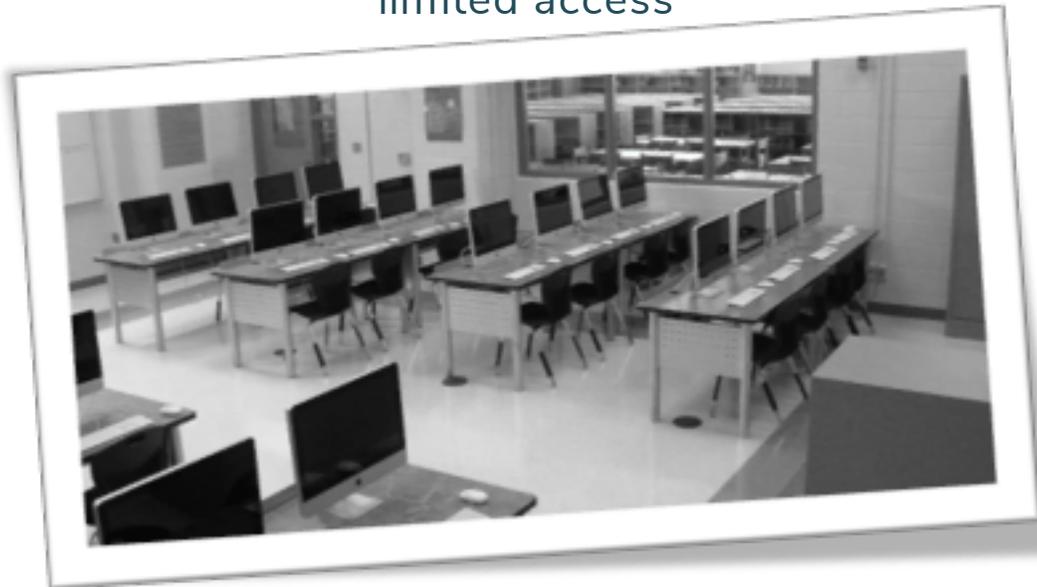
Learning spaces are designed as multi-purpose to maximize the use of space in smaller schools

Technology Integration

Theme: Pedagogy Drives Technology and Technology is Mobile

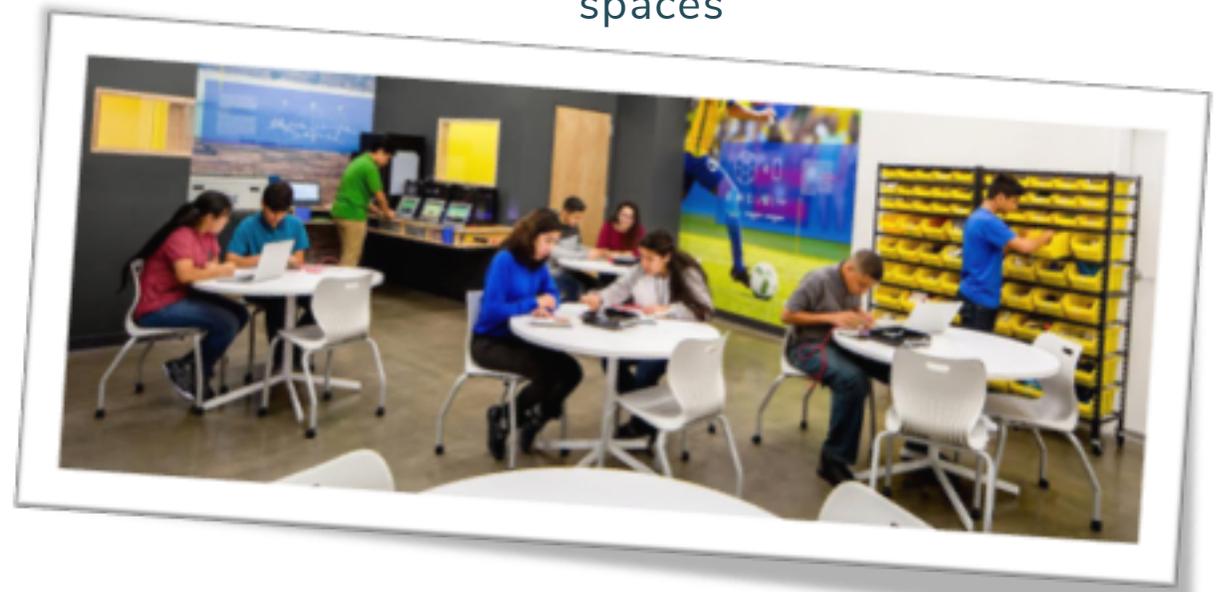
Less of

Rooms containing the newest hardware with limited access



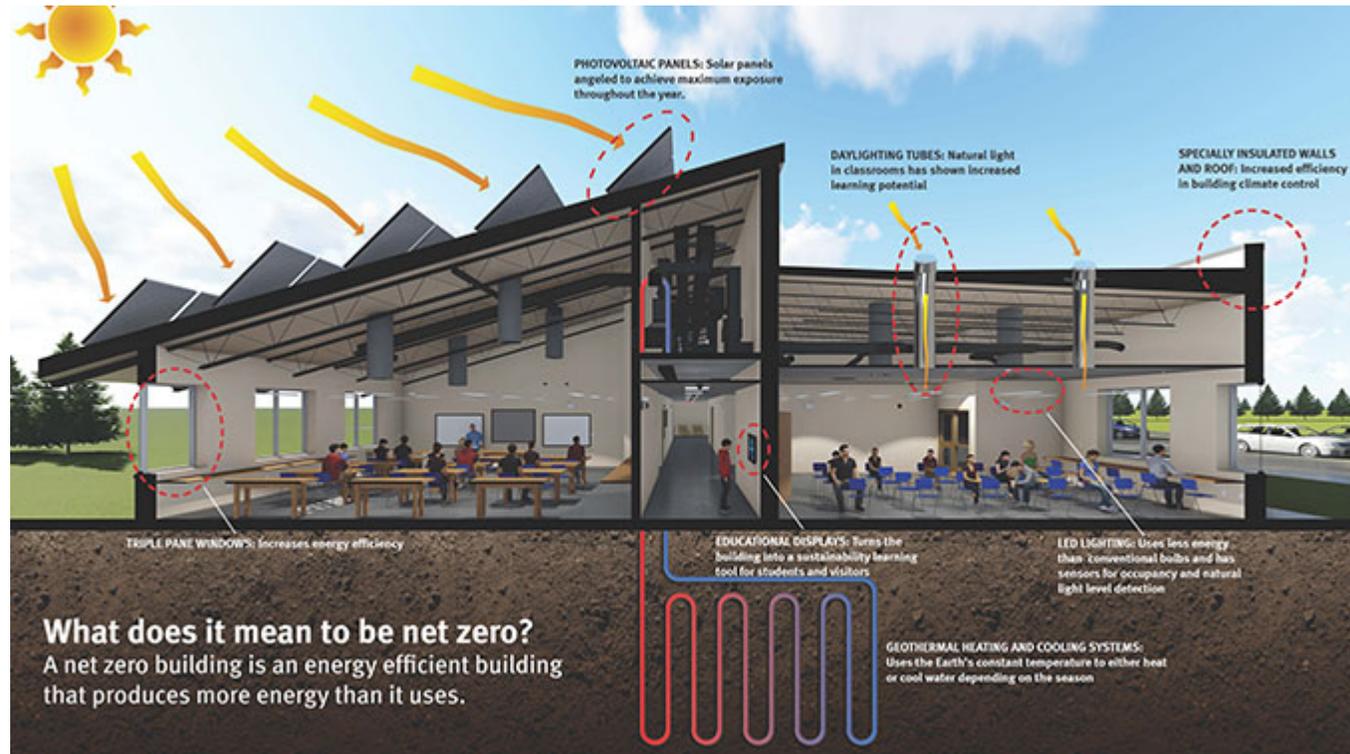
More of

Mobile technology integrated into all learning spaces



Energy Efficient

Purpose: Ensure Yukon Schools are Energy Efficient Now and in the Future





End / Fin Questions?