Mid-Coast School of Technology

YOUR SCHOOL YOUR VISION

Co-Hosted with Lavallee Brensinger Architects

Join us in a conversation about the facilities, programs, and future of MCST

Forums held at 7pm on the following dates

Oct 9, 2014
Oceanside
High School
Cafeteria
East 400 Broadway
Rockland

Oct 14, 2014
Camden Hills
Regional HS
Lecture Hall
25 Keelson Drive
Rockport

Oct 15, 2014
Medomak Valley
High School
Cafeteria
320 Manktown Road
Waldoboro

Oct 16, 2014
Mid-Coast School of Technology
1 Main Street
Rockland

A Community Building for Education
A Community Building for Education
Why?

Cumulative Regional Population
30 mile radius 102,188 (ave Age 42)

17,983 adults with some post secondary but no degree

35,838 – adults With no Post secondary

(US Census Bureau)
Why?

Commuter access to Higher-Ed and Post-Secondary Education

Kennebec Valley Comm. College 90+ miles away

U Maine Augusta 50 miles away

Study expects 2,000 students with a college in the region

(US Census Bureau)
Why?

Population Growth versus Population Decline

10% growth in Population over the past 10-years

24% decline in Population over the past 10 years (18-34 year olds)
Knox County – Percent of Population 25 and older with Bachelor’s Degree or Higher
Why?

Knox County – Per Capita Income by Town

Knox Co Per Capita income: $19,981

Data Classes

- **0 - 0**
- **11723 - 11723**
- **15488 - 17199**
- **20264 - 22660**
- **23272 - 26126**

Features

- Major Road
- Street
- Stream/Waterbody
- Stream/Waterbody

Items in gray text are not visible at this zoom level

Approx. 40 miles across.
Why?

• Economic Transition of Mid-coast Maine
• Education / Skills / Career Transition
• Expanded Access to Higher Ed
• Transition to Knowledge-based Economy
• Life-long Learning for Success
• Business and Opportunity Growth
• Retain the Population...in a Great Place to Live
• “We need a College”

“....I can hire 40 people today, and have had no applicants through recruiters...” Back Cove Yachts.

“.....we can hire dozens of staff today, but there are no qualified individuals....” Mid-Coast Health Services.
What if...?

• Started in 2003

➤ What if.....Consolidate 2 Regional HS with shrinking populations
➤ What if.....Add the Regional Technical High School
➤ What if.....Add a Community College Satellite
➤ What if.....Add four-year University Satellite
➤ What if.....Add an “Industry Center for Excellence”
➤ What if.....Create a Life-long Learning Campus

A Campus for Education: Many Flags
What if...?

✓ Create Regional School Unit (RSU) 13 – Regional High School (Merging Georges Valley High School & Rockland High School)

✓ Region 8 Mid-Coast School of Technology (MCST)

✓ Kennebec Valley Community College (KVCC);

✓ University Maine Augusta – Rockland Branch (URock)

✓ University Maine Orono – Belfast Hutchinson Center (UMO-H)

✓ Industry Center of Excellence – Local Businesses & other trade orgs

A Campus for Education: Many Flags
What if...?

- RSU 13 Regional High School: Managed by its Superintendent and RSU 13 School Board
- Mid-Coast School of Technology: Managed by its Director and the Region 8 School Board
- Higher Education Center:
  - University courses and degrees will be managed by the University of Maine System
  - Community College courses and degrees will be managed by KVCC
- Industry Center of Excellence programs, courses and certifications offered at MF/OC will be managed by the sponsoring industry organizations.

“Op Owner” = Many Flags/One Campus Non-profit Organization

“Land Owner” = Consolidated HS (RSU13) and Technical HS (MCST)

“Lessee” = Higher-ed (U Maine and KVCC) and Industry Partners

A Campus for Education: Many Flags
What if...?

Regional HS = 750 - 800
Technical HS = 450+ (15 programs)
- Auto Technology
- Auto Collision
- Culinary
- Baking
- Graphic Communications
- Marine Technology (boats & engines)
- Carpentry
- Welding Fabrications
- Fire Fighting – Emergency Medical Services
- Small Engine Repair
- Precision Manufacturing
- Health Sciences
- Allied Technologies
- Pre-Engineering
- Criminal Justice – Forensics

Adult Education = 800
Marine Technology (biology) = New
Higher Ed = 2000 w/in 5 yrs

A Campus for Education: Many Flags
What if...?

A Campus for Education: Many Flags

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What’s Next...?

Seek Key Endorsements:
- Statewide business community endorsements
- Education reform organizations

Continue working with State Board & DOE for this alternative “Innovative” model initiative = GET FUNDING

Seek external donors and private funding sources to match / supplement any state funding (Gates Foundation, etc...)

Maintain local support and support of our UMaine & Community College partners

A Campus for Education: Many Flags
What’s Next...?

A Campus for Education: Many Flags

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What if....we do it ourselves?

50% continue on to higher education*
20% concurrently enrolled in college courses
200 college credits awarded 2013-2014
800 adult education students served
231 industry certifications issued 2013-2014

*approximately the same state wide average for all high school students
What if....we do it ourselves?

• Started in 2013 – Let’s do it Ourselves

➤ What if.....Rejuvenate our Regional Technical High School (MCST)
➤ What if.....Expand existing Adult Ed Courses (MCST)
➤ What if.....Add spaces for Core HS Academics (MCST)
➤ What if.....Add a Community College Satellite (KVCC)
➤ What if.....Add four-year University Satellite (U Rock)
➤ What if.....Engage our Industry Partners

➤ What if.....Create a Life-long Learning “School”

Mid-Coast School of Technology

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What if....we do it ourselves?

Rejuvenate our Technical High School (New or Renovated)
450 HS students (sending students)
   6 regional High Schools
50 +/- Middle School students
800 adult ed students
   ▪ Coast Guard
   ▪ Certified Nursing Assistant
   ▪ Commercial Drivers License

KVCC Programs that align with MCST programs

Industry Continuing Education Center that aligns with MCST programs

Mid-Coast School of Technology
What if....we do it ourselves?

Can we include KVCC?

Can we include adult ed?
Current programs
Industry Partners
Local Businesses

Can we include youth (middle school) and senior community members (artisan industry)?

Can we include core high school curriculum?

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Let’s Do It Ourselves

Mid-Coast School of Technology

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Let’s Do It Ourselves

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Let’s Do It Ourselves

Mid-Coast School of Technology
Explore the Possibilities

A Community Building for Education

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Needs & Budget
O-Zone Discussion ($O_3$)

- Opportunities
- Obstructions
- Obstacles
O-Zone Discussion (O₃)

Opportunities
O-Zone Discussion ($O_3$)

**Opportunities**

- Showcase student work and projects to potential employers
- Cooperative Learning Opportunities with Higher Education
- Industry Partners Taking Active Roles – help us start a business
- Exploratory Lab for Elective, non-credit, and credit bearing (Community College)
  - college prep students can explore programs
  - students can “explore” multiple fields (pathways HS & Community College)
- Offering some programming via Tandberg Video Conferencing to give Island students more CTE options and College options
- Implementing The Bridge Year Plan
  - a plan to allow students to earn up to 30 college credits
  - a plan that keeps CTE cohorts together at sending schools (piloted in 2016 throughout the state)
- Better spaces for learning and working.
  - Quiet space for one-on-one tutoring.
- Assessment space for 3rd party evaluations.
- Allowing students to eat and drink... when they need it
- Faculty space for sharing ideas and student consultations
- Space to gather the whole school / business for events
- Visually connected spaces for more exploration and team projects
- Community Awareness of multiple pathways
- Changing the stigma of technical educations vs college-prep education
- Site location = already exists and currently works with the sending schools
- Create a new education model
O-Zone Discussion (O₃)

Obstacles
O-Zone Discussion ($O_3$)

Obstacles

- Having businesses (non-school personnel) in the high school with students
- Having Higher Education taking place in the high school with students
- Having Industry Partners (non-school personnel) involved in business incubators with the high students
- Having college students and adult learners in the high school with the students
- Allowing higher-ed, local businesses, and community programs in the school, off hours, to use the labs (materials, equipment, etc...)
- Implementing full-day CTE on alternating days = (3+2 and 2+3); not AM / PM sessions
- “...Are we really going to try this again, after 10 years of effort without any support...?”

- Safety and Security
- Scheduling of multiple uses at multiple times; weekends and after school
- Transportation from sending schools
- Aligning schedules with 6 sending schools
- Spaces that meet HS & College requirements
- Ownership of the facility
- Resource costs and usage (materials and wear and tear)
- Changing the stigma of technical educations vs college-prep education
- Convincing sending High Schools to support the project
- Convincing 21 Cities and Towns to locally fund 100% of the project
O-Zone Discussion ($O_3$)

Obstructions
O-Zone Discussion ($O_3$)

**Obstructions**

- Average tenure of high school superintendent is approx. 3 years
- Limited Site Acreage
- Occupied site and high school
- No funding from the State = limited funding
- Code differences for different uses
  (Education, Assembly, Business)
- “Why you and not us....”
- Site planning regulations and height restrictions
- Local Authorities Having Jurisdiction, understanding multiple use and multiple occupancies...of the same space(s)
Vision

- Create a new education model in the region
- Create an energy-efficient building that reflects best technological practices
- Create an educationally inspiring facility – for everyone
- Create a safe and secure learning environment – for everyone
- Engage all members of the community to provide for all members of the community

Guiding Principles (non-negotiable)

- A learning environment where “all” students want to learn
- Sustainable Facility – environmentally, operationally, educationally
- Life-long learning School – middle school events, technical high school, higher education, business incubator, and industry skills
Making it Work

A Community Building for Education

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Thinking
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Building
Building