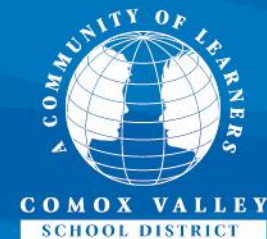


Innovation in Education

- Local response to global issues



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



www.StudyInBritishColumbia.com

“Do not confine your children to your own learning, for they were born in another time”

Hebrew proverb



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Why?

Globalization



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Globalization - what does it mean?

- Integrated world markets (*IT & containerisation mean new lower-cost producers in the world market*)
- Jobs can be quickly transferred from one side of the world to another
- Consumers /researchers look across the world for the best
- Higher order skills at a premium
- Education itself globalising: mobile students, distance/online learning, competition between providers
- Understanding identity, core values and cultural practices more important than ever



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Why?

- Globalization
- Demographic pressures



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Demographic pressures

- An aging population in developed countries (*a new dependency ratio*)
- Workforce crisis
- Lifelong learners
- In developing countries, a youth bulge: new demand for learning



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Why?

- Globalization
- Demographic pressures
- Changing Society



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



My life has changed. Hasn't yours?

The Google logo, featuring the word "Google" in its signature multi-colored font.The Skype logo, which consists of the word "skype" in a white, lowercase, sans-serif font inside a blue, cloud-like shape.The BBC iPlayer logo, with "BBC" in white letters on black squares and "iPlayer" in pink lowercase letters.

INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Changing Society

- Role of media in shaping public opinion
- Demands of citizenship
- “We cannot fix the problems of today with the thinking that created them.” - Albert Einstein
- ‘Change’ is an identifying feature of our culture
- Most graduates will have 15-20 jobs
- Information is no longer static or limited
- Flattening of the world



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Consider the changes in some basic activities:

... how we **buy books**... how we **find a place to live**.

... how we **rent movies**... how we **stay in touch**.

... how we **buy music**.

... how we **get information**... how we **get money**.

.... how we **make relationships**

.... how we **sustain them**



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Why?

- Globalization
- Demographic pressures
- Changing society
- Changing demands of job market



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



What do employers want most?

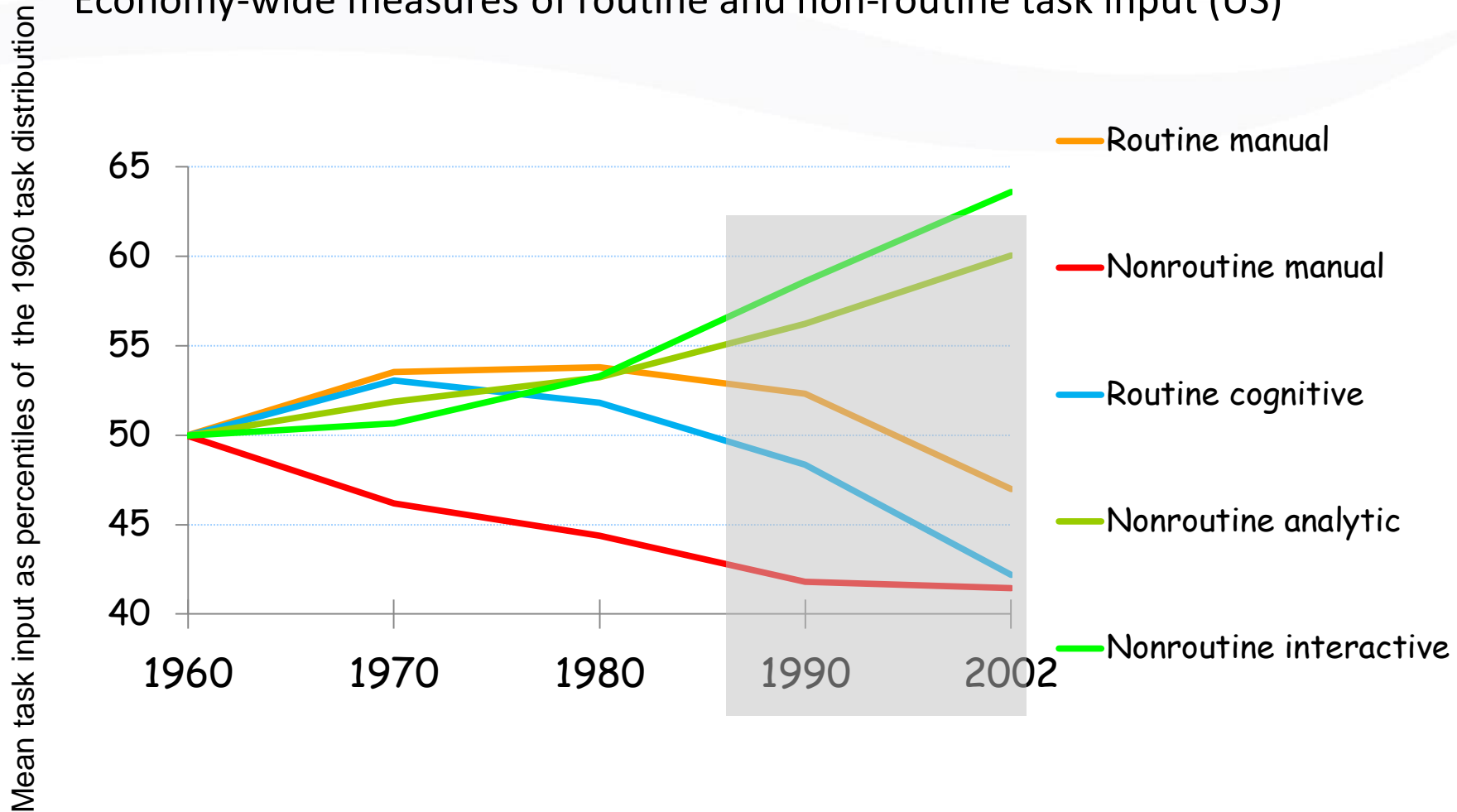
1. Ability to work in a team
2. Ability to make decisions and solve problems
3. Ability to plan, organize and prioritize work
4. Ability to communicate verbally with people inside and outside an organization
5. Ability to obtain and process information
6. Ability to analyze quantitative data
7. Technical knowledge related to the job
8. Proficiency with computer software programs
9. Ability to create and/or edit written reports
10. Ability to sell and influence others



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY

How the demand for skills has changed

Economy-wide measures of routine and non-routine task input (US)



INTERNATIONAL
Source: Levy and Murnane
COMOX VALLEY



Why?

- Globalization
- Demographic pressures
- Changing society
- Changing demands of job market
- Changing demands



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Organization for Economic Co-operation and Development (OECD)

We live in a fast-changing world, and producing more of the same knowledge and skills will not suffice to address the challenges of the future. A generation ago, teachers could expect that what they taught would last their students a lifetime. Today, because of rapid economic and social change, schools have to prepare students for jobs that have not yet been created, technologies that have not yet been invented and problems that we don't yet know will arise.



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Why?

- Globalization
- Demographic pressures
- Changing demands of job market
- Changing society
- Changing demands
- Skills required



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Tony Wagner - *7 Survival Skills*

1. Critical Thinking and Problem Solving
2. Collaboration and Leadership
3. Agility and Adaptability
4. Initiative and Entrepreneurialism
5. Effective Oral and Written Communication
6. Accessing and Analyzing Information
7. Curiosity and Imagination



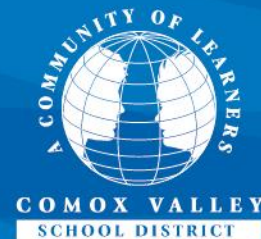
INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



If, as leaders, we believe these
developments to be real,
significant and relevant:
what should our response be?

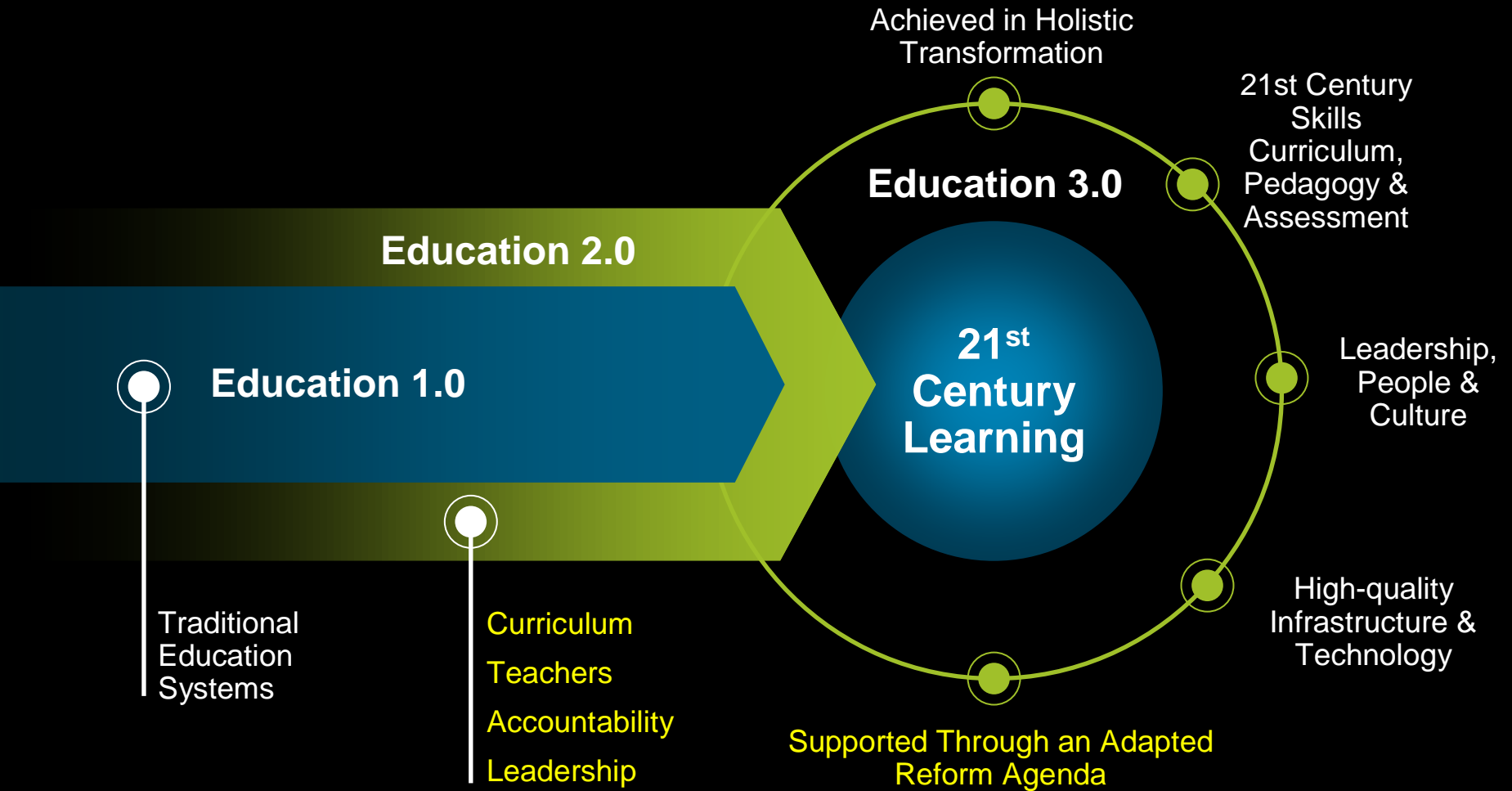


INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



www.StudyInBritishColumbia.com

Education 3.0



We now know so much more about how humans learn.....

- Learning is an active, social process
- Motivation is a key component for effective learning
- Learners bring different knowledge to new learning challenges
- Learners start from different places and follow different routes to the same learning outcome
- Knowledge should be discovered as an authentic, integrated whole



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



What were the skills and attitudes we were taught?

- The ability to accept what you are told
- Learning how to compute without understanding what you are doing
- Copy notes quickly and accurately
- Retrieve/transcribe information previously acquired
- ‘Park’ your own mental and emotional concerns for large periods of your day
- Sit still for protracted periods of time

Wider Skills for Learning
NESTA 2009



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



21st century skills?

- Problem solving and decision making
- Creative and critical thinking
- Collaboration, communication, negotiation
- Capacity to select, structure, evaluate information

*Equipping Every Learner for the 21stC
(2008)*



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



The Educated Citizen



- thoughtful, able to learn and to think critically, and who can communicate information from a broad knowledge base;
- creative, flexible, self-motivated and who have a positive self image;
- capable of making independent decisions;
- skilled and who can contribute to society generally, including the world of work;
- productive, who gain satisfaction through achievement and who strive for physical well-being;
- cooperative, principled and respectful of others regardless of differences;
- aware of the rights and prepared to exercise the responsibilities of an individual within the family, the community, Canada, and the world.



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Examples of this work in the Comox Valley

Glacier View Learning Centre

- Blended Planning 10 and Information Technology 10
- Connections Program - applied learning, learning expeditions
- KEY Program - student complete all academics via one person passion



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Examples of this work in the Comox Valley

Highland

- Grade 8 program integrating Destination Imagination (creativity, critical thinking, innovation, collaboration, communication, and resilience) skill development
- Independent Directed Studies - computer coding, leadership, yearbook
- International Baccalaureate, especially the CAS (Creativity, Action, and Service) project
- Model United Nations program that follows the example of the United Nations including a coming together of others in Vancouver
- Peer leadership program



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Examples of this work in the Comox Valley

Lake Trail Middle School

- Community Schools - community members come to share their “content” while working with a trained teacher
- Inquiry Classes - allows learners to choose some of the topics to explore as well as provide guided support through some of the skills they need to be independent in their inquiry learning
- Multi-grade exploratories - the topic is chosen by the teacher in an area of his/her passion and students sign up for those they are interested in



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Examples of this work in the Comox Valley

Mark R. Isfeld

- Blended classes in grades 8 and 9
- Blended, multiple grade English groups
- Flexible grade groupings
- Science Fiction program (Physics and English blended program)



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Examples of this work in the Comox Valley

Georges P. Vanier

- Explore Program - integrates outdoor education and academic learning
- Grade 10 cohort - all courses taught through self-directed projects and flexible timetables
- Integration of English 11 and Chemistry 11 into a semester long project around a manufactured crime scene
- Makerspace project - students bring in things that they want to work on and a teacher helps them develop the skills to do the required work
- Physics and Engineering



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY



Examples of this work in the Comox Valley

Throughout District

- Ace It programs
- Destination Imagination (>1000 students) - excellent international reputation
- Independent Learning Centres in all Secondary Schools
- International Program in all Secondary Schools
- Project Based Learning in all Secondary Schools
- Volunteering opportunities within our schools and community



INTERNATIONAL
STUDENT PROGRAM
COMOX VALLEY





INTERNATIONAL STUDENT PROGRAM COMOX VALLEY

www.StudyInBritishColumbia.com

