Alberta Government

Schools of The Future
&
Determining Capacity

CEFPI

March 13, 2014

Alberta Government

Re-Imagining Learning Environments

Inspiring Education: The Future

- We may not know exactly what the future holds, BUT

- We do know that some competencies and attributes will be particularly important to the success of our students:
    - Engaged Thinkers
    - Ethical Citizens
    - Entrepreneurial Spirit

Inspiring Education: Guiding Principles

- School Design must be:
  - Learner Centered
  - Inclusive
  - Responsive
  - Flexible
  - Sustainable
  - Efficient
  - Innovative

Current Design Approaches

- 2011 Design Standards Review
- Changes Adopted
- What's Next?

The Challenge

- Does today's school designs help foster an engaged thinker, ethical citizen with an entrepreneurial spirit?
  - If yes, then what aspects of the current school designs fit well with Inspiring Education?
  - If no, how would you change school designs to assist in the implementation of Inspiring Education?

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Determining Capacity
The Revised Utilization Formula

Overview

- Inspiring Education - putting students at the centre of our decisions
- Determining capacity based on instructional area
- Implementing the revised Utilization Formula in the 2014/2015 school year

Process

- Review
- Advisory Committee
- Pilot
- Recommendations

Capacity Pilot

- Spring 2012
- Results in spring 2013
- 93 schools in 9 jurisdictions

The Utilization Formula

$$Utilization\ Rate = \frac{Total\ Adjusted\ Enrolment}{Net\ Capacity} X\ 100$$

Total Adjusted Enrolment

$$\textbf{\textit{Total Adjusted Enrolment}} = \textbf{\textit{ECS}}\ x\ 0.5 + (\textbf{\textit{grades 1 to 12}} - \textbf{\textit{severe disabilities}}) + \textbf{\textit{severe disabilites}}\ x\ 3.0$$

- ECS students are counted at a factor of 0.5
- Grades 1 to 12 (less students with severe disabilities) are counted at a factor of 1.0
- Students with severe disabilities are counted at a factor of 3.0

Net Capacity

$$Net\ Capacity = \frac{Instructional\ Area}{Area\ per\ Student} + Rated\ Capacities$$

$$Instructional\ Area = total\ area\ (m^2)\ of\ all\ instructional\ space$$

$$Rated\ Capacities = CTS + Gyms + PAR + Libraries$$

Net Capacity cont'd

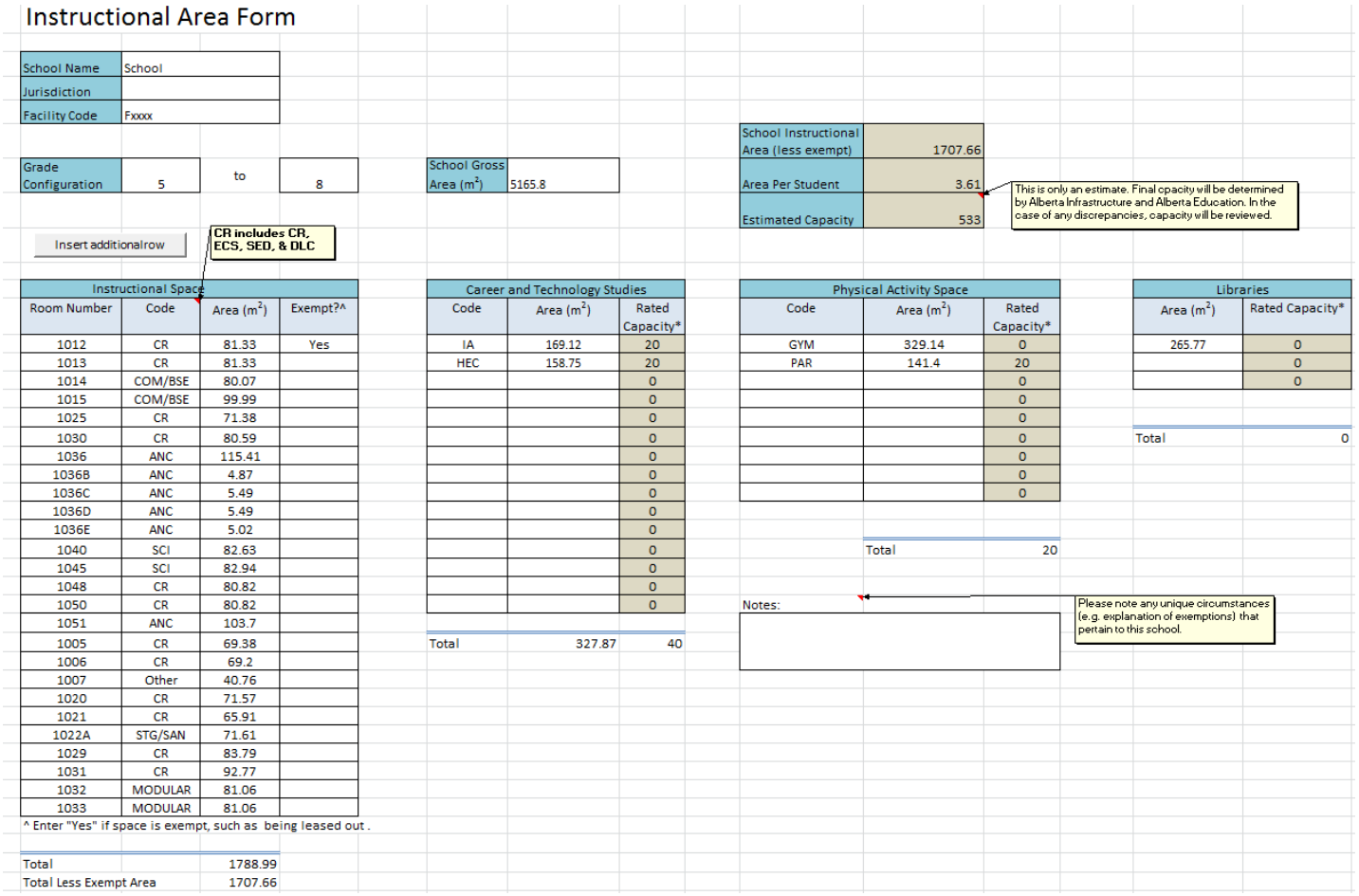
- Rated Capacity is applied to instructional areas with unique size and use, e.g. CTS labs, Gymnasiums, Libraries, Physical Activity Rooms.
- Capacities for Libraries and Gymnasiums are not included for small schools, or schools with any grades below grade 7.
- Libraries have a rated capacity of 0 or 25.
- Gymnasiums have a rated capacity of 0, 25, 50 or 75.
- CTS labs have a rated capacity of 20.
- Physical Activity Rooms have a rated capacity of 20.

Implementation

For each School

- Small Scale Plans
- Data Sheet
- Instructional Area Form

Instructional Area Form Sample



Instructional Area Form

School Name	School
Jurisdiction	
Facility Code	Fxxxx

Grade Configuration	5	to	8

School Gross Area (m^2)	5165.8

School Instructional Area (less exempt)	1707.66
Area Per Student	3.61
Estimated Capacity	533

This is only an estimate. Final capacity will be determined by Alberta Infrastructure and Alberta Education. In the case of any discrepancies, capacity will be reviewed.

Insert additionalrow

CR includes CR, ECS, SED, & DLC

Instructional Space

Room Number	Code	Area (m^2)	Exempt?^
1012	CR	81.33	Yes
1013	CR	81.33	
1014	COM/BSE	80.07	
1015	COM/BSE	99.99	
1025	CR	71.38	
1030	CR	80.59	
1036	ANC	115.41	
1036B	ANC	4.87	
1036C	ANC	5.49	
1036D	ANC	5.49	
1036E	ANC	5.02	
1040	SCI	82.63	
1045	SCI	82.94	
1048	CR	80.82	
1050	CR	80.82	
1051	ANC	103.7	
1005	CR	69.38	
1006	CR	69.2	
1007	Other	40.76	
1020	CR	71.57	
1021	CR	65.91	
1022A	STG/SAN	71.61	
1029	CR	83.79	
1031	CR	92.77	
1032	MODULAR	81.06	
1033	MODULAR	81.06	

^ Enter "Yes" if space is exempt, such as being leased out .

Total	1788.99
Total Less Exempt Area	1707.66

Career and Technology Studies

Code	Area (m^2)	Rated Capacity*
IA	169.12	20
HEC	158.75	20
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
Total	327.87	40

Physical Activity Space

Code	Area (m^2)	Rated Capacity*
GYM	329.14	0
PAR	141.4	20
		0
		0
		0
		0
		0
		0
		0
Total		20

Libraries

Area (m^2)	Rated Capacity*
265.77	0
	0
	0
Total	0

Notes:

Please note any unique circumstances (e.g. explanation of exemptions) that pertain to this school.

Questions?