

Hamilton-Wentworth District School Board

Grade Range: 9-12

Program: SECONDARY

School Name: PROPOSED SECONDARY SCHOOL IN NORTH ARC

Gross Floor Area: 167,170 Sq Ft.

Survey of room types within the PROPOSED 1,250 pp SECONDARY SCHOOL -NORTH ARC

Instructional Space		Size Sq Feet	Size Sq M	Typical Number	Room Load	Total Capacity	Floor Area
Regular Classroom (Average size)	Include all regular classrooms within the school.	700	65	27	21	567	18900
Science - General (Average size)	Including the a portion of the shared Prep room and storage within the room	1000	93	2	21	42	2000
Science - Biology (Average size)	Including the a portion of the shared Prep room and storage within the room	1200	111	1	21	21	1200
Science - Chemistry (Average size)	Including the a portion of the shared Prep room and storage within the room	1200	111	2	21	42	2400
Science - Physics (Average size)	Including the a portion of the shared Prep room and storage within the room	1200	111	1	21	21	1200
Computer Lab (Average size)	Including attached storage within the room	1000	93	4	21	84	4000
Music - Instrumental	Including all practice rooms and instrument storage room within the room, excludes the office	1000	93	1	21	21	1000
Music - Vocal	Including attached storage within the room, excludes the office	900	84	1	21	21	900
Visual Arts	Including kiln room, project room, and storage within the room	1200	111	1	21	21	1200
Theatre Arts	Includes the room area, dressing rooms, and storage rooms; but excludes the stage and office	1200	111	1	21	21	1200
Photography	Includes the room area, dark room, chemical storage areas within the room	1200	111	1	21	21	1200
Gymnasium							
Gymnasium - Double	Includes the total area of the gym, including bleachers, excluding mezzanine spaces	8000	743	1	42	42	8000
Gymnasium - Single	Includes the total area of the gym, including bleachers, excluding mezzanine spaces	4000	372	1	21	21	4000
Change Rooms	Includes area of self contained washroom or showers within	750	70	4	0	0	3000
Storage	Gym storage or community storage attached to the gym	900	84	2	0	0	1800
Chair Storage	Attached to gym, if chair storage is below stage please omit	800	74	1	0	0	800
	Total of all areas above						17600
Exercise Room	Includes the area of the room, plus any attached storage rooms within the room	1200	111	1	21	21	1200
Weight Room	Includes the area of the room, plus any attached storage rooms within the room	1200	111	1	21	21	1200
Technology - Transportation	Includes the area of the room, any shared or self contained instructional space, project storage and tool storage, within the room	3500	325	1	21	21	3500
Technology - Construction	Includes the area of the room, any shared or self contained instructional space, project storage and tool storage, excludes external dust collection within the room	3500	325	1	21	21	3500
Technology - Wood	Includes the area of the room, any shared or self contained instructional space, project storage and tool storage, excludes external dust collection within the room	3500	325	1	21	21	3500
Technology - Welding	Includes the area of the room, any shared or self contained instructional space, project storage and tool storage, within the room	3500	325	1	21	21	3500
Technology - Manufacturing	Includes the area of the room, any shared or self contained instructional space, project storage and tool storage, within the room	3500	325	1	21	21	3500
Technology - Integrated	Includes the room area and associated storage within the room	3500	325	1	21	21	3500
Technology - Cosmetology	Includes the room area and associated storage within the room	2300	214	1	21	21	2300
Technology - Health Sciences	Includes the room area and associated storage within the room	1000	93	1	21	21	1000
Technology - Communication	Includes the room, AV storage, studio, control room, and editing rooms within the room	3000	279	1	21	21	3000
Family Studies - Foods	Includes the room area, food preparation area, the storage and pantry areas within the room	1000	93	2	21	42	2000
Family Studies - Textiles/Fashion	Includes the room area and any dressing room attached to the textiles room	1000	93	1	21	21	1000
Special Education	Including the storage, self contained washroom, life skills areas, quiet areas within the room	2000	186	1	9	9	2000
Stage	Includes all storage attached to the stage area, but excludes other attached rooms such as theatre arts	1000	93	1	0	0	1000
Cafetorium/Cafeteria	Includes the area of the cafeteria, the associated storage, but excludes the servery and other attached uses defined elsewhere	5600	520	1	0	0	5600
Library	Includes the attached AV room, work room, seminar room and computer room or computer area within the room	5100	474	1	0	0	5100
Instructional Area							99200

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Operational Spaces		Size Sq Feet	Size Sq M	Typical Number	Floor Area
General Office (Agregated area)	Includes the area of the General office, Principals office, Vice Principals office, Guidance area, First aid, Health, OSR storage, and Workroom etc.	3000	279	1	3000
Guidance	Includes the area of the guidance offices, work area, and any self contained storage	1600	149	1	1600
COOP Office	Area of office space dedicated to cooperative education	800	74	1	800
Staff Room	Includes all self contained washrooms and kitchen area within the staff room	1500	139	1	1500
Kitchen/Servery	Kitchen used to feed students in the cafeteria, not included in the instructional space	1000	93	1	1000
Custodial	Includes the custodial office, receiving area, caretaking storage, recycling, garbage room, and mop rooms etc.	250	23	5	1250
Teacher work rooms	Staff work areas not used for instructional purposes. If the rooms are different sizes calculate all areas and rooms and the net floor area will be adjusted	650	60	2	1300
Meeting Room	Used by staff or outside agencies, (not intended to be used as a resource area for teaching purposes)	150	14	3	450
Academic Storage	Include all academic storage areas within the school that are not identified above	375	35	3	1125
Washrooms	Includes all staff, student, and barrier free washrooms not listed in the instructional or operational spaces above	2500	232		2500
Mechanical Spaces					
	Fan Room	500	46		500
	Combined Mechanical Room	2500	232		2500
	Sprinkler Room	150	14		150
	Electrical Room	300	28		300
	Elavator and Machine room	250	23		250
	LAN/WAN/Hub Room	300	28		300
	Total of all spaces above	4000	372		4000
Total Operational Area					18525
Total Instructional and Operational Area					117725
Total Capacity					1248
Instructional Area					99200
Instructional Area per pupil place					79.5
Opereational Area					13125
Operational Area per pupil place					10.5
Gross Floor Area					167170
Ratio of GFA to Instructional Area					1.69
Ratio of GFA to Instructional and Operational Area					1.49
Area of Circulation, Stairs and Walls					49445
Percent of GFA that is Circulation Area, Stairs and Walls (42% Target)					30%
Square Feet per student					133.9