

Educational Specifications

Lamprey River Elementary School

2012

Progress lies, not in enhancing what is, but in advancing toward what will be

Introduction:

Lamprey River Elementary School was built in 1976. The original school building was open concept design. Over the past 32 years, the building has undergone many changes including the addition of four attached portables (1983-1984), addition of six unattached portables (2002-2003), addition of 6 kindergarten classrooms (2004-2005), and the completion of the addition of walls and doors to enclose individual classrooms (1988-2008).

In 2007, the Raymond School District formed the Lamprey River Elementary School Facilities Fact Finding Committee. The charge of the committee was to identify facility concerns at the elementary school and how they impact the teaching and learning process. Specifically, the committee investigated the current status of the facility in regards to:

- Physical plant and facility meet all federal and state laws and in compliance with local fire, health, and safety regulations
- Building and site management is appropriately maintained, repaired and cleaned
- Enrollment and building capacity (storage, room size, and design)
- Open concept design and its effect on teaching and learning
- The facilities capability to support an appropriate technology infrastructure, programming and equipment
- The school site and physical plant supporting the well being and safety of students and staff.

The 2008 report is attached and specific to both setting and space requirements and conditions

In summary, the current elementary school holds 48,917 sq. ft. in the main building including kindergarten.

Classroom Spaces:

-5 kindergarten classrooms	1000 sq.ft. per classroom	5000
-4 preschool classrooms	1000 sq. ft. per classroom	4000
-7 1 st grades	900 sq. ft. per classroom	6300
-7 2 nd grades	900 sq.ft. per classroom	6300
-7 3 rd grades	900 sq. ft. per classroom	6300
-7 4 th grades	900 sq. ft. per classroom	6300
-1 health room	900 sq. ft.	900
-1 art room	1,200 sq. ft.	1200
-1 music room/stage	1,200 sq. ft.	1200
-1 OT/PT -	450 sq. ft. each (combined to 900 sq. ft.)	900

Other Instruction and Support Service Areas:

Physical education/gymnasium, 6,490 sq. ft.:

(min 110 sq. ft. per pupil using 590 design capacity)		6490
Storage (PE and health)	1,300 sq. ft.	1300
Custodial Office	150 sq.ft	150
Service and Delivery Entrance/Receiving Room	280 sq. ft.	280
Media center	3000 sq. ft. (40 sq. ft. per 10% design capacity)	3000
Computer Lab	900 sq. ft.	900
Kitchen	990 sq. ft. (existing)	990
Cafeteria	3,120 sq. ft. (existing)	3120
Administrative/Guidance Offices/Secretaries	1,950 sq.ft. (5 offices, 3 secre.)	1950
Faculty Room	416 sq ft (existing)	416
Work Room	648 sq. ft.(existing)	648
Nurse's room/office	520 sq. ft.	520
General Storage (Equipment and Supplies) (existing 500 sq. ft.)		1000
Resource rooms 5 at 300 sq. ft. each		1500
3 Speech offices/Service Area	250 sq. ft. each	750
1 School Psychologist office/Testing Area	190 sq. ft.	190
1 Behavioral Specialist/Social Worker Office	190 sq. ft.	190
1 ELL office/Service Area	190 sq. ft.	190
1 Reading room	900 sq. ft.	900
2 conference rooms	500 sq. ft. (250 sq. ft. each) 1 existing	500
Adult bathrooms	included within 24% sq. ft. factor (janitorial storage, toilets, mechanical, circulation, etc.)	

63,184

15,164

78,348

Section I
Needs/Rationale/Process

What are the situations that proposed project will address?

The Lamprey River Elementary School Fact Finding Report of 2008 and the subsequent Lamprey River Elementary School 5 year plan detail the deficiencies and needs of the current facility. Both of these reports are to be considered a part of these educational specifications. The Manual for Planning and Construction for Schools (2006) and the NH Code of Administrative Rules Minimum Standards from the NH Dept. of Education were used to guide in the planning of these specifications.

The only new educational program covered under these educational specifications is the expansion of our preschool program from 2 classes to 4 classes. Educational enhancements include:

- a music room that doubles as a stage
- a gymnasium
- kiln safety area
- community learning areas in pods
- climbing wall in gym

Section II

The People and Current Program to be Housed

What is the design capacity for this project?

The design capacity for this project is 590 to 650 enrollment with a core designed for 750. Our enrollment is solidly projected now, based on the NHSBA study of 2008 and the update completed by Barker and Associates in 2011.

How many years are expected before enrollment reaches the design capacity?

2017 based on the NHSBA enrollment projection study and live births.

Is there a different design capacity for educational and core spaces? Explain. What is the expected opening enrollment?

The core spaces have been designed to 750 students. The opening enrollment projection is 623 in the year 2015.

Instructional Areas:

Characteristics and Design Requirements:

- One unisex bathroom with one classroom sink (grades Pre K, K, and 1)
- Sinks in rooms (grades 2,3,4)
- First grade and second grade near each other
- Preschool and kindergarten near each other
- Third grade and fourth grade near each other
- Grade level supply room near each grade (consideration for the design of the pod with a community learning area)
- All surfaces washable
- Tile flooring (with area carpets)
- Soothing pastel colors for instructional areas
- Space for large performances - stage area with a place to accommodate a large audience
- Separate instructional space for PE outside (not around recess)
- Cork wall/bulletin board area
- Calming light with suspended fixtures
- More windows for natural lighting
- Light color accent wall in each classroom
- Outdoor classroom area including potting/seedling shed
- Work counters – washable top
- Storage shelves low to the ground
- Built in shelves (bookcases, cubbies, coat and boot storage)
- Classroom blinds for darkness and lockdown safety

- Display cases
- Book shelves to house a collection of approximately 10,000-12,000 books (Current 9,129)
- Circulation desk
- Office Area work surface area, desk and storage cabinets – phone connection here
- Meeting area for staff with tables, chairs and shelves to house professional materials.

(Library-media centers shall be sized at 40 square feet per student for 10 percent of the core space design capacity or a minimum of 1800 square feet)

- Media center should be approximately 3000 square feet
- Natural light and good reading light
- Should have a minimum of 12 computer stations with wireless connectivity, a security/loss prevention system, quiet acoustics, air conditioning and good ventilation, stacks low enough for good visibility for the main desk.
- This space would be thought of as a learning center, as opposed to, just a place to house books.
- Space should integrate media and information literacy for classroom lesson planning.
- Space should offer flexibility for furniture movement, as required.
- Community access through main entrance for security

Health Room:

- Large sink with counter space
- Stove with oven
- Large refrigerator
- Opening to garden area/shed

Service Areas:

- Receiving Area/Custodial office
- Cafeteria near playground/recreational area

Administrative Areas:

Design To Include:

- Administration, guidance, and secretaries (8 staff)
- 1 Coat room for staff and public
- 100 mailboxes (individual) for all staff
- 2 counselor offices with a conference room between them for student/parent business

Space Design To Include:

- student files and storage in office
- in school restriction room (not near front public area)
- buzz-in communication system enters into outer office for visitor traffic and further check in
- visitor waiting area (outside of secretarial staff/area separated by a long counter with 2 different heights to accommodate students and adults
- Adult staff restroom with sink (near by)
- Staff kitchenette (near by)
- Principal, assistant principal, and special coordinator offices
- 1 administrative conference room - with phone, projection capability
- Sign/Whiteboard for special events
- Staff and Volunteer Work Room with Teachers room nearby

Nurses/Health Area

Design To Include:

- Nurse Office
- Private enclosed room with locking door
- Desk, chairs, phone, file cabinet, chairs for visitors
- Area to hang coats
- Waiting Area:
- Seating - needs to be washable
- Examination Area for Students:
- Space for examining students
- Sink with hot and cold water
- Hand soap, paper towels, trash receptacle
- Cabinets for supplies
- Laptop for documentation at point of care
- Student isolation/rest area with 3 cots (confidential spaces)
- Medical recliner in treatment room (washable surface)
- Separate area for treatments with windowed door

Storage:

- Cabinets and counter space with stools (i.e. diabetic students, special procedures, etc)
- Lockable cabinets for medications
- Storage closet for medical supplies, extra clothing, foot wear, wheelchair, and office supplies

Restrooms:

- Separate handicapped accessible restroom with shower facility

Equipment:

- 3 beds/cots with washable pillows and privacy curtains

Special Education

- (Refer to Fact Finding Report for speech, conference room, PT, OT, social worker, and school psychologist)

- One Special Education service area/office in each grade level instructional area including one quiet testing area

- Special Education conference room

- Separate area for calming, away from instructional area

-Specialist offices to include: full size bookcase, closed storage, and area for student work (within the office)

Unified Art Areas

-UA instructional areas near public entrance of building - with display cases (library)

-Art Room:

-Kiln

-Room for kiln for safety

-Climate control closet with locking door

-Storage shelves with doors

-Track lighting

-Natural light (windows)

-Locking display strips

-Project display area

-Area Dedicated For Art Instruction:

*Drafting tables with easel capabilities

-Area Dedicated For Art Teacher Preparation:

-Music Room/Stage Area:

-Area dedicated to the incorporation of technology

-Area dedicated to teacher preparation

-Area dedicated to instrument performance

-Area to accommodate a rehearsal space for 70 member choir

-Area for instrument storage

-Separate storage closet to accommodate instructional materials and portable risers

-Teacher Office Area

- Sound-proof retractable wall on front of stage/classroom area

Music Activity Area

The heart of the general music room is a large open, square area. This is where the action is- the dancing, the singing, and the creative movement. Although the room itself doesn't need to be square, an

area that can be quickly cleared is best that a class can be effectively organized in a big circle. All the movement in this area makes a flat, open floor a necessity. Elementary music education is interactive and kinesthetic.

Instrument Playing Area

A designated area for instrument use is a great time saver and convenience in the general music room. Typical instruments used in this area include Orff instruments, like xylophones and glockenspiels, as well as a host of percussion instruments. When a dedicated instrument area is provided, it allows a teacher to have the larger instruments out and ready to play before class begins. And that allows for a fast, effective transition between lesson activities.

- 5 choral risers (to be purchased)- with a place to store them and accommodate them - be able to use them weekly
- Storage for instruments
- Music room should be connected to/adjacent to performance/storage area (not next to classrooms)

Stage Area (located next to the gym):

- Stage to accommodate up to 70 choral performers and choral risers with optimal acoustics
- Room to accommodate large audience
- Permanent sound system with flexibility to incorporate portable music device and microphones for performances
- Storage for sets, props, costumes etc...

PE:

- Climbing wall within gym
- Striping
- Storage Closet with shelves
- Cabinets that slide out for large posters/equipment
- Teacher office

Media Center:

- Computers for student research use
- Multimedia Presentation Center including a SmartBoard
- Instructional Technology Centers for Faculty Development
- Computer dedicated to materials circulation
- Video production area
- Multiple lines for voice, data, and intercom connections
- 1 set of sturdy library tables to seat a classroom of students – adult size
- 1 set of sturdy library tables to seat a classroom of students – child size
- Soft seating for independent reading

- Clock – visible from all spaces
- Computer and laptop at point of care
- 2 file cabinets with locks
- Electronic blood pressure cuff, pulse oximeter, and thermometer
- 2 locked medication cabinets (large)
- Separate small refrigerator for medication storage only with freezer for cold packs
- Ice maker
- Sharps container
- Rolling emergency box
- Scale with height rod
- Ophthalmoscope/Otoscope
- Portable first aid kit
- Wheelchair
- Transfer board/stretchers
- Glove dispenser
- Audiometer
- Vision testing machine
- AED - in gym and cafeteria
- Magnifying lamp on wheels
- Timer
- Compressor
- Peak flow meter
- Washer and dryer

Section III General Building Considerations

What building wide communication and technology requirements are proposed?

Technology Equipment and Design:

1:1 Computing Devices - class set per grade level

Latest science microscopes and tech equipment with storage

Scanners

1 computer lab for whole school

Minimum of 5 computing devices or laptops, per classroom with electrical cable, charge stations

Phones in every classroom

Smart boards in all classroom/resource rooms with instructional focus

ELMO's set-up in each classroom

Built in class systems (amplification/FM) in every classroom (for ADHD, hearing impaired, and central processing needs)

Classrooms linked with technology for learning (intra building), including Skype camera capability

Bank of electrical outlets/charging station

Enterprise Wireless System for whole school

Full computer-assisted technology services available for any disability

What provisions will be made for building access, based on activity area groupings, pedestrians and vehicle traffic patterns, community usage, handicapped accessibility, and site constraints?

Different area for parent pick-up and drop-off away from classroom areas - it's a distraction to instruction

Preschool and kindergarten have drop off/pick up area closer to classrooms

Separate bus loop

General Building Considerations:

More adult bathrooms - See Fact Finding Report

Additional bathrooms (handicapped) with sturdy changing table near preschool classrooms

Grass/Sod instead of sand in the field area

Skylights

Display areas at student eye level in hallways and classroom

Double doors at all entrances (handicapped accessible)

LED Lighting

**Section IV
Site Considerations**

Does this site meet the minimum state requirements for size? If not, how will all program requirements be met?

Yes