

SPACE NEEDS WORKSHEET

INSTRUCTIONS: Fill in or check off all shaded worksheet cells.

DESIGN POPULATION

Projected resident population	.....	11,000
Nonresident service population	.....	1,000
Design population	.....	12,000

COLLECTION SPACE

Books: The space needed for the library's book collection is determined by the size of the collection and the parameters of the shelving environment. Depending on factors such as the width of the aisles and the height of the shelving, book collections can be housed at 10, 13 or 15 volumes per square foot. As the volumes housed per square foot increases, the average aisle width will decrease, the height of the shelving will grow, and there will be fewer opportunities for marketing display.

- * How many volumes will be in the library's print collection? 37,000
- * What is the library's preferred collection density? (choose one)
 - 10 volumes per sq.ft.
 - 13 volumes per sq.ft.
 - 15 volumes per sq.ft.

Magazine / newspapers: The Americans with Disabilities Act specifies that current issue display shelving for magazines is subject to height limitations, which conditions how much space magazines will need.

- * How many titles will the library receive? 60

Magazine backfile: Shelving for any back issues retained by the library is NOT subject to reach limitations but many libraries choose to treat these holdings in the same manner.

- * How many of those titles will the library retain in backfiles?
- * What will be the average backrun for a typical title (in years)?

Nonprint: This collection will often be housed on lower shelving with more marketing display, but because these items are typically smaller than books, the collection density corresponds to that for books. The space need varies depending on aisle widths, marketing display, and so on.

- * How many nonprint items will the library house? 4,000
- * What is the library's preferred collection density? (choose one)
 - 10 items per sq.ft.
 - 13 items per sq.ft.
 - 15 items per sq.ft.

Public access computers: Many libraries today experience increasing demands for access to digital information resources, which affects the number of stations needed for the public. Wireless access can also affect the inventory needed. The space need per station will be affected by the number of stations provided: a small inventory will usually require more space per station while a larger inventory will benefit from economies of scale and less space per station.

- * How many public access computers to provide? 8
- * What is the preferred space allocation for each? (choose one)
 - 35 sq.ft. per station
 - 45 sq.ft. per station
 - 50 sq.ft. per station

READER SEATING SPACE

The number of reader seats a library needs is determined in large measure by the number of people the library serves, although other factors may also affect this inventory. Typically allow 30 square feet per seat.

* How many reader seats should the library provide?

STAFF WORK SPACE

The inventory of staff work stations is based on the specific operations and work routines of the library, the number of public service desks, and so on. The space needed for each station, on average, will be affected by the number of work stations a library needs: a small inventory will require more space per station while a larger inventory will need less space per station.

* How many staff work stations are needed?

* What is the preferred space allocation for each? (choose one) 125 sq.ft. per station
 140 sq.ft. per station
 150 sq.ft. per station

MEETING ROOM SPACE

Multi-purpose: How many seats to accommodate in a multi-purpose room?

Conference: How many seats to accommodate at a conference table?

How many seats in a gallery?

Storytime: What is the maximum audience for a typical storytime?

Do your storytimes include a craft or activity? (choose one) Yes No

Computer training lab: How many trainees should be accommodated?

SPECIAL USE SPACE

Special use space reserves space for features such as small group study rooms, a copy center, a public café or refreshment area, a used book sale area, a staff break room, and so on. A larger proportionate allocation here reserves the option to incorporate a wider array of special use functions as a specific architectural plan is developed.

* Choose the library's preferred allocation for special use space 12% of gross area
 15% of gross area
 17% of gross area

NONASSIGNABLE SPACE

Nonassignable space reserves space for such necessary features as mechanical rooms, restrooms, stairwells and elevators. Typically a smaller building will need to reserve a larger share of its gross area for nonassignable purposes, while a larger building will require a smaller proportion for nonassignable. New construction will likely need a smaller proportion than an addition or renovation.

* Choose the library's preferred allocation for nonassignable 25% of gross area
 27% of gross area
 30% of gross area

ADDITIONAL ALLOWANCES

As an option, this worksheet can accommodate additional special allowances for features that may or may not be adequately accommodated in the preceding calculations. These may include space for an automated materials handling system, or a garage (if the library owns and operates vehicles). List any such special features here, along with a suitable square foot allowance

		Allowance
24 Public Internet PCs	.....	1,080 sq.ft.
	.....	sq.ft.
	.....	sq.ft.
	.....	sq.ft.

SPACE NEEDS SUMMARY

COLLECTION SPACE

<u>37,000</u> volumes to house at	<u>13</u> vol/sq.ft.	<u>2,846</u> sq.ft.
<u>60</u> magazine display at	<u>1</u> sq.ft./title	<u>60</u> sq.ft.
<u>0</u> magazine backfile at	<u>0.5</u> sq.ft./title/yr held	<u>0</u> sq.ft.
<u>4,000</u> nonprint items to house at	<u>13</u> items/sq.ft.	<u>308</u> sq.ft.
<u>8</u> public access computers at	<u>45</u> sq.ft. per station	<u>360</u> sq.ft.

READER SEATING SPACE

<u>12</u> reader seats at	<u>30</u> sq.ft. per seat	<u>360</u> sq.ft.
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STAFF WORK SPACE

<u>14</u> staff work stations at	<u>140</u> sq.ft. per station	<u>1,960</u> sq.ft.
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MEETING ROOM SPACE (See notes 1 through 4)

<u>75</u> multi-purpose seats	<u>10</u> sq.ft. per seat	<u>850</u> sq.ft.
<u>12</u> conference room seats	<u>30</u> sq.ft. per seat	<u>360</u> sq.ft.
<u>36</u> storytime seats	<u>15</u> sq.ft. per seat	<u>590</u> sq.ft.
<u>24</u> computer training lab seats	<u>50</u> sq.ft. per seat	<u>1,280</u> sq.ft.

SPECIAL USE SPACE

calculated at <u>17%</u> of gross building area		<u>2,724</u> sq.ft.
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NONASSIGNABLE SPACE

calculated at <u>27%</u> of gross building area		<u>4,327</u> sq.ft.
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SPECIAL ALLOWANCES

<u>24</u> Public Internet PCs		<u>1,080</u> sq.ft.
_____		_____ sq.ft.
_____		_____ sq.ft.
_____		_____ sq.ft.

GROSS AREA NEEDED		<u>17,105</u> sq.ft.
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- NOTES
1. Multi-purpose room area includes a modest allocation for a speaker's podium.
 2. Conference room area includes allocation for gallery / audience seating, if so designated.
 3. Storytime area includes a modest allocation for storytime presenter.
 4. Computer training lab area includes a modest allocation for trainer's station.