

**Planning for Data Collection**

The first step in designing a statistical study is planning for data collection. This involves deciding what the population of interest is, deciding what characteristics of the population are of interest and how they will be measured, considering alternative methods of sample selection, and finally deciding on a sampling strategy.

Recall from the **Seeing Red I** activity that the school librarian is interested in estimating the proportion of red books in the library so that an informed decision about how many red and how many white security tags to purchase can be made. In that activity, estimates were produced without much thought being given to the actual process of data collection. Now that you know more about sampling methods, this activity will guide you through a planning process that should lead to a better data collection strategy.

Let's start with defining the population of interest and deciding how the characteristic of interest will be measured.

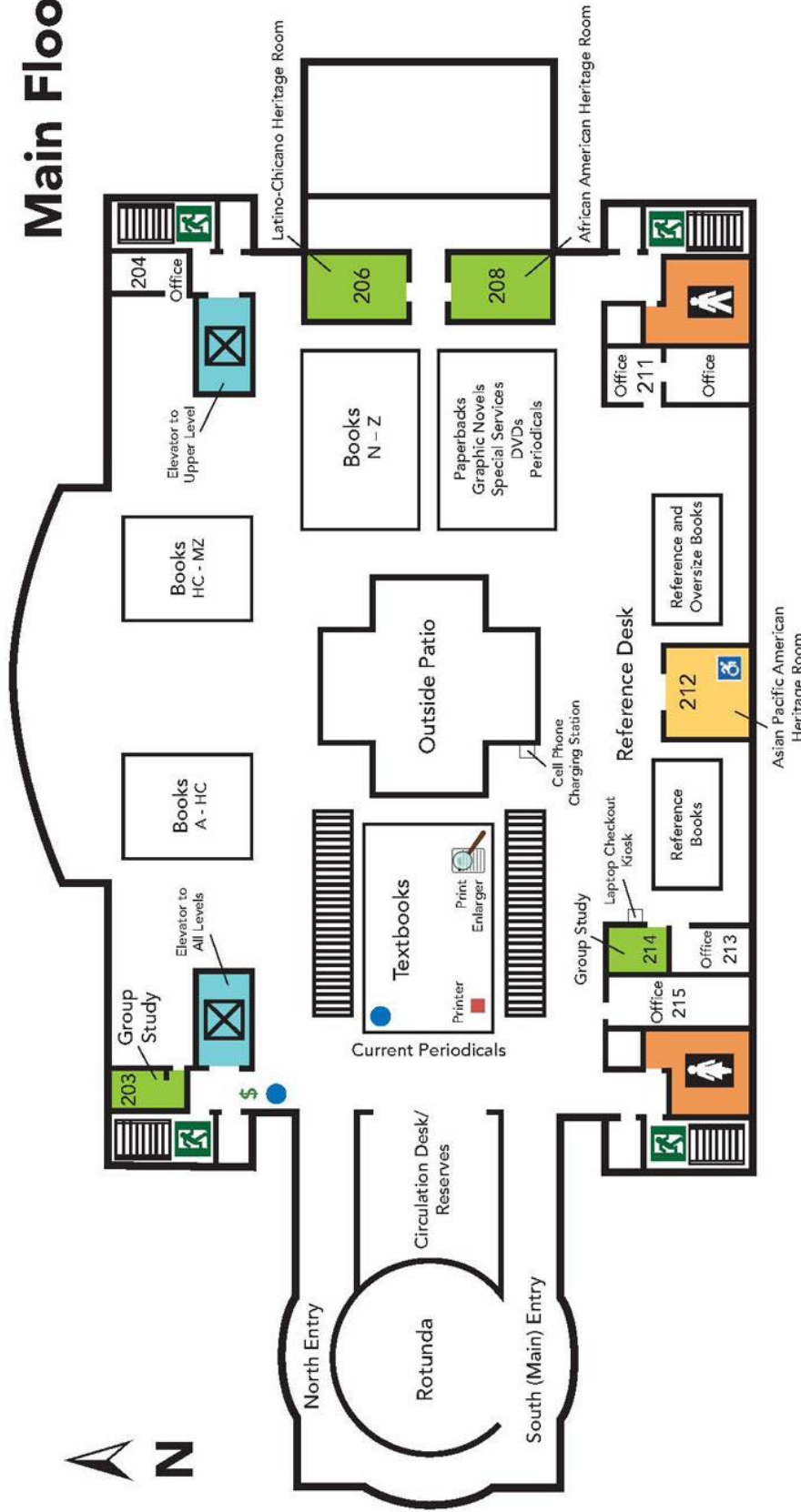
**1.** What is the population of interest?

**2.** What is red?



























**3.** How will you decide whether a book is red?



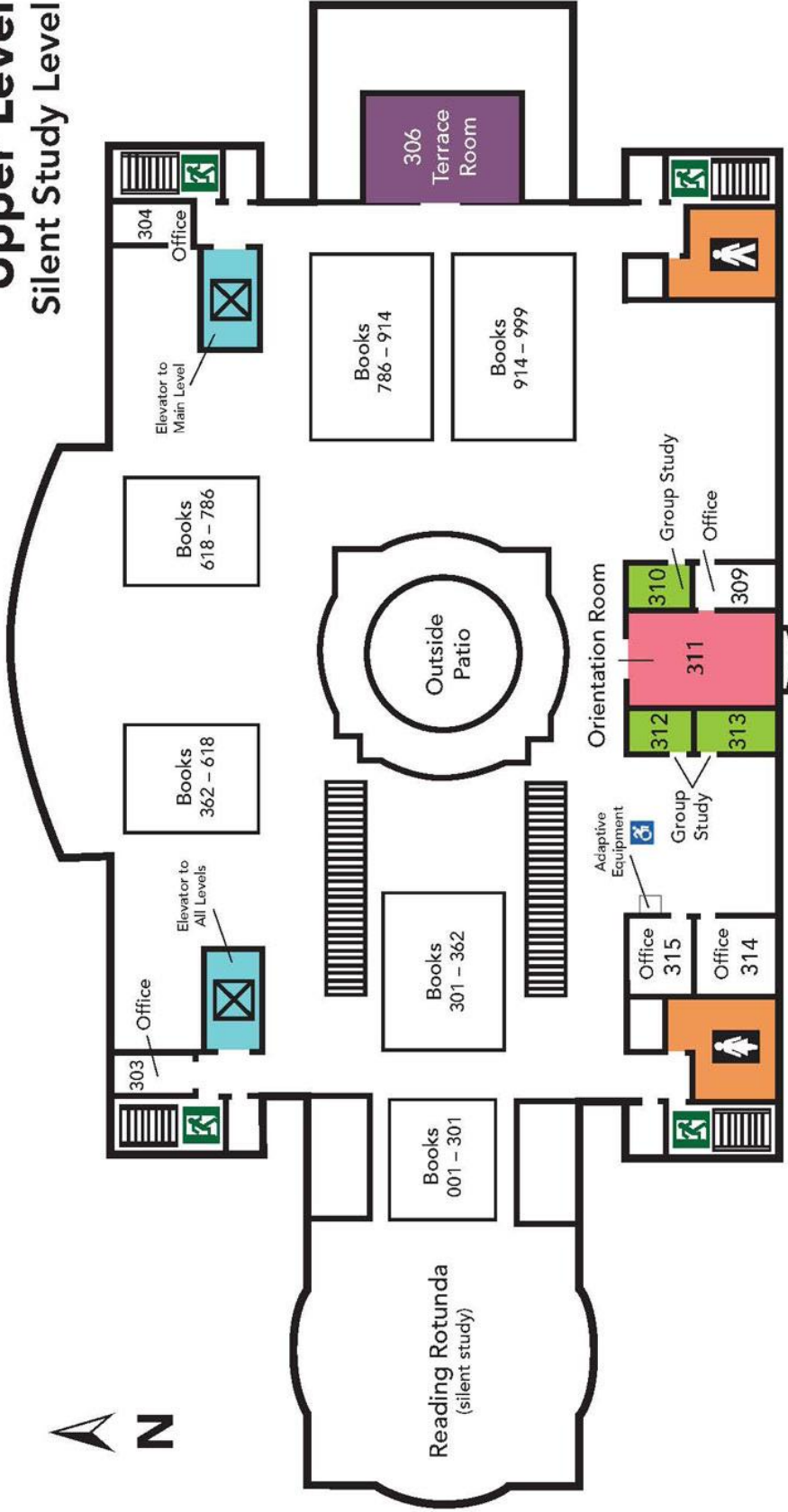
# Main Floor



On the **main floor** you will find:

-  Group Study Rooms
-  Computer Lab behind the Reference Desk
-  Restrooms
-  Elevators
-  Copy Machines/Scanners
-  Change Machine
-  Print Enlarger
-  Adaptive Computer Station
-  Emergency Exit
-  Reference Desk
-  Reference Collection
-  DVDs
-  Periodicals
-  Archives
-  Offices
-  Main Entry (North and South)
-  Adaptive Equipment Room
-  Rotunda
-  Circulation Desk/ Reserves
-  Books
-  Current Newspapers
-  Current Periodicals
-  Paperbacks
-  Special Services Collection
-  Graphic Novels
-  Textbooks

# Upper Level Silent Study Level



On the **upper level** you will find:

- Orientation Room
- Terrace Room
- Group Study Rooms
- Restrooms
- Elevators
- Emergency Exit
- Adaptive Computer Station