

name(s)

date

Content Focus

- Built Environment 2 (Space)
- Art (Principles of Design)
- Technology (Engineering Design)

Architecture 101

Space and Movement: Activity #3

Prerequisites – **Basic skills:** Observing and Surveying, Architectural Drawing

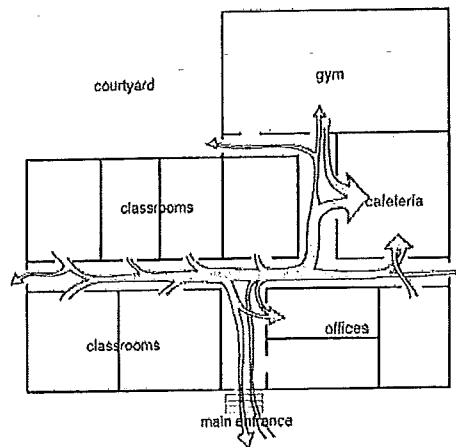
How well do the hallways, entrances and exits in your school fulfill their function?

What is the function of the hallways, entrances and exits?

- Sketch a rough plan of your school building.
- Think about where you enter the building every morning and the path you take to get to your classroom. Are there places on your route that are often crowded? Mark your route on your plan, noting any areas that are often crowded.

As a class, you will survey and map the movement patterns in your school.

- Using a plan of the school building, identify the major hallways, entrances, and exits.
- Determine three 10-15 minute periods during the school day when there is a mass movement of students.
- During each of these three times, you and your classmates will be positioned in the key hallways, entrances, and exits. Your job is to estimate and record how many people pass through your area during the set period of time.
- As a class, compile your information in a chart.
- Create a plan of your school showing the movement patterns during the three periods you selected. What is the best way to show these patterns?



A movement pattern map of the "lunchtime crunch."

- Evaluate your findings. Are there certain areas that are much more crowded than others? Why? Is there anything that could be done to help people move through these areas more smoothly? If you were the architect of your school, are there any decisions regarding the space that you would have made differently? If so, what are they?

