Managing a Mathematics Classroom

Classroom Space
- How will I organize and arrange the physical space so that it promotes exploration and interaction?
- How can I best encourage students to use our materials and tools effectively and responsibly?
- How will I create a mathematical culture in my classroom?

Storing Tools for Learning
- Where do I store them so that they are available to students at all times so that students are able to use whatever tools they choose to solve problems?
  - central “math center”
  - Separate bookshelf
  - Designated shelf in a closet
  - Containers of materials arranged along a wall

Creating a Mathematical Community
- How can I ensure that thinking and reasoning will be at the center of each student’s mathematical experience?
- How can I ensure that every student in this classroom is recognized for his or her contributions?
- How can I encourage risk taking?
- How can I support the mathematical learning of my students?
- How can I help my students create an environment that is a safe place for each and every one of us?
  Students ideas are respected and listened to and considered as valuable information
  Anyone can ask questions freely and without embarrassment
  Students are physically safe

Other Considerations
- Respect for differences
- Routines
- Grouping of students
- Ragged time and sponge activities
- Whole-class work