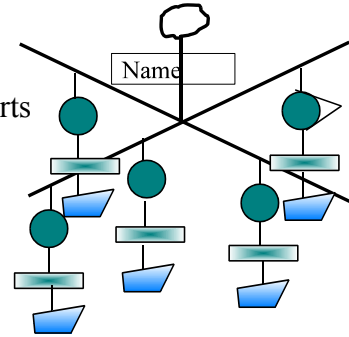


PROJECT: DESIGN A GEOMETRIC MOBILE

1. Design a mobile with (Figure 1)
 - ◆ dowels, hangers, wire or some other material for the main rod
 - ◆ string (not thin nylon fishing line) to connect parts of the mobile and to make a hook
 - ◆ paper or cardboard cutouts to illustrate geometric concepts.
 - ◆ straws, coffee stirrers, or small sticks (for tangent lines or secant lines)



2. Each of the 11 branches of the mobile (Figure 2) should illustrate one geometric property you learned in each chapter: 2-12. It should contain the following:
 - ◆ a physical model of what you are describing
 - ◆ The chapter number the idea came from
 - ◆ a description of what the model is showing

Figure 1

3. Your mobile should contain at least 10 new ideas you have learned about geometry this year.
4. Balance the mobile by moving the branches back and forth along the main rod of the mobile. Tape the strings to the main frame so they don't move.
5. Attach a string or some type of hook to the top of your mobile so it can be suspended from the ceiling of the classroom.
6. Place your name and class period in a prominent location on the mobile.

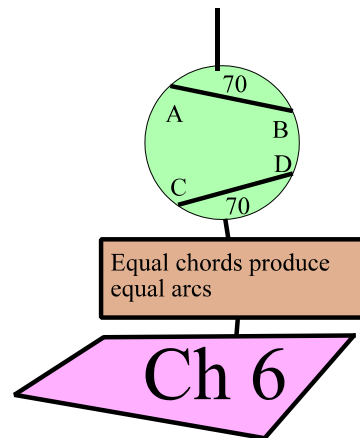


Figure 2

7. Due date _____ During the period that day two other students will evaluate your project using a scoring rubric provided by the teacher. You will be asked to explain to the two students several things about your mobile during the scoring procedure.
8. This project will be weighted as one test during the last marking period.