

Lesson Comments:

1. Students begin with duplicating the pattern on the grid
It is symmetrical
2. Review how to read the grid, how many units is each square-20x20
3. Review the NOTE about which numbers to use for the code and the order (X across, y down)
4. Demonstrate how to fit the numbers into the code by writing the first draw-solid-rect code with the class
Use the square closest to 0,0 for the demonstration
5. Remind the students that the X and Y axis are labeled
Code can be written in 15 lines minimum
Students can choose how to create the squares in the middle
Most efficient program will draw three rectangles-100x100, 60x60 and 20x20
Another option would be 100x20, 20x60, 100x20 20x60
Lastly, one student drew with several separate 20x20
6. Review the students hand written code before allowing them to logon to the computer
7. Have students make necessary corrections to hand written code before typing into Dr.Scheme
8. When students begin typing code into Dr.Scheme, remind them to Add Draw Teachpack