

Name: _____

Your Unit Percentage: _____ %
(Self-Assessment)

Period: _____

M.T.H.S. - 3D Modeling
Mr. S. Carlson

Date: _____

Unit 1: Getting Started with Rhino (pp. 1-46)**Unit Instructions and Activities Checklist** (6 day unit)**Unit Objectives:**

The student will be able to:

1. Customize the modeling environment
2. Create basic graphic objects -- lines, circles, arcs, curves, solids, and surfaces (all are NURBS)

Textbook: *Rhinoceros - Training Manual - Level 1* by Robert McNeel & Associates

Directions: Each Rhino Unit has 4 exercises to complete, combine neatly, date, self-assess, initial, and turn in. Read carefully and follow all of the exercise directions below. **In ALL exercises View > Zoom > Extents > All and then Synchronize views neatly. Always CENTER your models and viewports so they are as LARGE as possible but with nothing cut off. Always print in LANDSCAPE format.**

No.	Exercise Description	Date	Percent	Your Initials
1. (2 days)	Model 1-1: First Model.3dm (p. 14, Exercise 1) (30%) Do exercise 1 and then create something cool with 25 + parts directly from First Model. Save in correct filename format per sample here: Lastname_Firstname_1-1_First_Model For turn in: a. Print wireframe views in all 4 viewports w. Perspective. (15%) b. Print nicely formatted perspective rendering on white background. (15%)		30?	
2. (1 day)	Model 1-2: "The Desk" (p. 36, # 10) (15%) Review Exercises 2-5 as necessary. Do #10 on p. 36 in the top viewport totally correct. <u>Draw in X & Y Axis lines.</u> For turn in: a. Print Top v/port only in wireframe w. X & Y axis drawn in.		15?	
3. (2 days)	Model 1-3: Your First Name in Top Viewport (30%) Review Exercises 6-8 as necessary. Make your first name in the top viewport using polylines. Patch each letter to make them into surfaces. Create a new layer and color for each different letter. Change the render colors to match the wireframe colors. For turn in: a. Print Top viewport wireframes. (15%) b. Print Top viewport rendering w. white background. (15%)		30?	
4. (1 day)	Exercise 1-4: Rhino Worksheet 1 (25%) Review the Training Manual and your notes as necessary and complete both sides of Rhino Worksheet 1. For turn in: a. Rhino Worksheet 1 completed (both sides)		25?	
5.	Assembling Your Work For Submission (-5%?) <u>Neatly Assemble The 6 Papers Above In Correct Order And Staple To This Sheet. 5% OFF For Collating And Stapling That Is NOT Very Neatly Done.</u> One staple max. All assignments to read from <u>BOTTOM</u> or <u>RIGHT</u> . Place your individual self-assessment percents in boxes and the unit total at the top above.		Minus 5?	