

OLEAN HIGH SCHOOL

Course Name Design and Drawing for Production

Text Exploring Drafting

Other Resources Web, Southern Recourse Binder

Grades 9-12

Month	Topic Content	Skills	Concepts	Major Assessments	Learning Standards	Resource/Text Page
Sept.	Explain and Show Our Ideas Problem solving compared to Design (Sept. to Oct. Long term activity paper airplane)	Why study drafting Careers in Drafting Sketching Lettering Design Internet Graphic layout folder cover	Introduce to field of drafting The universal language Importance of drafting to industry Procedure sheets / directions Simple organizational Cerographical	Drawings (Lay out cover for portfolio) Projects (paper airplane / direction sheet) End of chapter activities, Class work. Class presentations and participation Student note book & planner, Scrap book of students work.	CDOS No.1, 3a 2 &5 MST No. 5-Technology 1-engineering design 5-History and Evolution	Exploring Drafting chapters1,2,3,7,16 Web sits Marketable designs Industry standers
Oct.	(Sept. to Oct. Long term activity paper airplane)	Graphic layout folder cover Drafting equipment Drafting Techniques	Tools t-squares, table, triangles, compass, est. Simple Cerographical organization	Proto type CAAD Drawing Drawings (Lay out Geometric construction) Projects (paper tetrahedron /dodecahedron) End of chapter activities, Class work. Class presentations and participation Student note book & planner,	CDOS No.1, MST No. 5-Technology 1-engineering design 5-History and Evolution No. 3 Measurement 5- both metric and <u>english</u>	Exploring Drafting Chapters 4,5,6and13 Web sits Marketable designs Industry standers

Nov.	Long term project Activity for tables at a restaurant (Nov. Dec.)	Single point perspective sketch Drafting equipment CADD Drafting Techniques CADD	Vanishing point Front view is normal AutoCAD Lt. 2002 Printer Store and retrieve information	Drawings (TABS GEO) Projects (prototype of wood) End of chapter activities, Class work. Class presentations and participation Student note book & planner,	CDOS No.1, MST No. 5-Technology 1-engineering design 5-History and Evolution	AutoCAD Tutorial Manual pp 65 to 100
Dec.	Basic Geometric Construction	Drafting equipment CADD Drafting Techniques CADD	Board and T-square, triangles, scale, pencils, and paper	Drawings Projects (paper tetrahedral) End of chapter activities, Class work. Class presentations and participation Student note book & planner,	CDOS No.1, MST No. 5-Technology 1-engineering design 5-History and Evolution	Exploring Drafting Unit 4, 5, 6 Teacher resource book Inter net sights on how to Hand out from NYMTA conference
Jan.	Architectural Long term activity Scale Drawing Scale Model Jan. and Feb.	Investigate Design (problem) techniques Understand AutoCAD Architectural	AutoCAD Floor plan Elevation plan SCALE DRAWING	Design Scrapbook CADD Drawings Sketches Scale Model	CDOS No.1 (SCALE Skill) MST No.5 Modeling scale	Exploring Drafting Unit23 Scholastic Publishing “Your Place” Teacher Recourse book Southern Tear Consortium book
Feb.	Architectural Long term activity	Investigate Design (problem) techniques	AutoCAD Floor plan Elevation plan	Design Scrapbook CADD Drawings Sketches	CDOS No.1 (SCALE Skill)	Exploring Drafting Unit23 Scholastic

	Scale Drawing Scale Model Jan. and Feb.	Understand AutoCAD Architectural	SCALE DRAWING	Scale Model	MST No.5 Modeling scale	Publishing “Your Place” Teacher Recourse book Southern Tear Consortium book
Mar.	CO2 Race car project Multiview Drawing Orthographic	Understand different drawing views Make ANSE stander drawings	Dimensioning Measurements Sketches CADD abilities.	Scale Model Race (speed) CADD drawing Scrapbook with students work Sketches	CDOS No.1 (Drafting) MST No.5 Modeling Scale Problem solving	Exploring Drafting Unit8 Scholastic Publishing “CO2 Dragster” Teacher Recourse book
Apr.	CO2 Race car project Multiview Drawing Orthographic	Understand different drawing views Make ANSE stander drawings	Dimensioning Measurements Sketches CADD abilities.	Scale Model Race (speed) CADD drawing Scrapbook with students work Sketches	CDOS No.1 (Drafting) MST No.5 Modeling Scale Problem solving	Exploring Drafting Unit 8 Scholastic Publishing “CO2 Dragster” Teacher Recourse book
May	ROBOT KING OF SCRAP HEAP project Multiview Drawing Orthographic Assembly Drawing	ROBOT KING OF SCRAP HEAP project Multiview Drawing Orthographic Assembly Drawing	Dimensioning Measurements Sketches CADD abilities.	Team dynamics Project Computation results CADD drawing Scrapbook with students work Sketches	CDOS No.1 (Drafting, working) MST No.5 Modeling	Exploring Drafting Unit 12,25 Teacher Recourse book

					Scale Problem solving	
June	ROBOT KING OF SCRAP HEAP project Multiview Drawing Orthographic Assembly Drawing	ROBOT KING OF SCRAP HEAP project Multiview Drawing Orthographic Assembly Drawing	Dimensioning Measurements Sketches CADD abilities.	Team dynamics Project Computation results CADD drawing Scrapbook with students work Sketches	CDOS No.1 (Drafting, working) MST No.5 Modeling Scale Problem solving	Exploring Drafting Unit 12,25 Teacher Recourse book