

AS2 Quarter	Week	Dates	Topic	Lesson	Aerospace Standards
1Q 8/13 to 10-12	1	13-Aug	Introductions & Professionalism	Heroes, Syllabus, Expectations, Employability Skills (standards), Note Taking	4.3.1,
	2	20-Aug	OSHA and Safety	OSHA standards, Regulations, Lab Safety, Tools & Hardware	All 1.1, 1.2, & 1.3, 4.2.6
	3	27-Aug	Engineering History	Research Skills and Report (Individual Report)	2.1.2, 2.1.3,
	4	4-Sep	Engineering Careers	Types of Engineering (Group Report)	2.2.1, 2.2.2, 2.2.3,
	5	10-Sep	Engineering Design Process		2.1.4, 3.1.1, 3.1.2, 3.1.3, 3.1.4,
	6	17-Sep	Engineering Design Process		3.1.5
	7	24-Sep	Analyzing the Physics of Flight		8.3.3
	8	1-Oct	Flight Planning and Navigation		8.2.1, 8.2.2, 8.2.5,
	9	8-Oct	Flight Planning and Navigation		8.2.1, 8.2.2, 8.2.5,
2Q 10/15 to 12/28	10	15-Oct	Controls and Control Systems		6.4.1, 6.4.2, 6.4.3, 6.4.4, 6.4.5, 6.4.4
	11	22-Oct	Controls and Control Systems		6.4.1, 6.4.2, 6.4.3, 6.4.4, 6.4.5, 6.4.5
	12	29-Oct	Propulsion Systems		8.4.1, 8.4.2, 8.4.3, 8.4.4
	13	5-Nov	Flight Physiology		8.4.5, 8.4.6,
	14	13-Nov	Human Factors		8.4.7
	15	26-Nov	Materials		8.3.1, 8.3.2, 8.3.4, 8.3.5, 8.3.6
	16	3-Dec	Materials: Properties and Strength	Materials	5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.5,
	17	10-Dec	Materials: Properties and Strength	Stress	5.2.1, 5.2.2, 5.2.3, 8.3.7, 8.3.8
	18	17-Dec	Materials: Properties and Strength	Evaluation and Notation with math	5.2.4, 5.2.5, 5.2.6, 5.2.7, 5.2.8, 5.2.9, 5.2.10, 5.2.11, 5.2.12
3Q 1/7 to 3/15	19	7-Jan	Measuring and Scaling		4.2.1, 4.2.2, 4.2.3, 4.2.6
	20	14-Jan	Measuring and Scaling		4.2.4, 4.2.5,
	21	22-Jan	Technical Drawing		4.1.3, 4.1.4, 4.1.6, 4.4.1, 4.4.2, 4.4.3, 4.4.5, 4.4.6, 4.4.7,
	22	28-Jan	Modeling Techinques	Isometirc and Orthographic	4.1.2, 4.5.1, 4.5.2
	23	4-Feb	Solidworks		
	24	11-Feb	Solidworks		
	25	19-Feb	Solidworks		
	26	25-Feb	Solidworks		
	27	4-Mar	Solidworks		
4Q 3/18 to 5/24	28	11-Mar	Solidworks	Intro to 3D printing,	4.5.3,
	29	18-Mar	Systems: Power, Electrical, Fluid, Mechanical	Power and Electrical	6.3.2, 6.3.6, 6.3.7, 6.3.8,
	30	25-Mar	Systems: Power, Electrical, Fluid, Mechanical	Fluid	6.5.1, 6.5.2, 6.5.3, 6.5.4, 6.5.5, 6.5.6, 6.5.8, 6.5.9
	31	1-Apr	Systems: Power, Electrical, Fluid, Mechanical	Mechanical	6.3.4, 6.3.5, 6.5.7,
	32	8-Apr	Thermodynamics		6.6.1, 6.6.2, 6.6.3
	33	22-Apr	Thermodynamics		6.6.4, 6.6.5
	34	29-Apr	Energy Sources and Applications		6.3.1, 6.3.9, 6.3.10, 6.3.11, 6.3.12
	35	6-May	Energy Sources and Applications		
	36	13-May	Use Statistics and Kinematic Principles		7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5, 7.1.6, 7.1.7, 7.1.8, 7.1.9
	37	20-May	Use Statistics and Kinematic Principles		7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.6