

Model Rocketry

(Inst		or Required) Know and explain the Model Rocketry Safety Code.
	2.	Know and explain the importance of the basic model rocket components.
٥	3.	Draw the following: The steps in the flight of a model rocket
		A cut-a-way view of a model rocket engine, labeling each part
		A schematic plan for a simple launch system using proper electrical symbols

	4.	Define the following: Wadding
		Boost gliders
		Stall
		Payload
		Apogee
		Center of gravity
		Center of pressure
		Impulse
		Velocity
		Ejection

		Name	Description
		1	
		2	
		3	
		4	
0	6.	From a kit, build, finish, and paint a mum length of six inches with a rec streamer. Successfully launch and resystem deploying properly. Launch date:	overy system, such as a parachute or ecover the rocket with the recovery

Model Rocketry, Advanced

Required) Have the Model Rocketry Honor.			
2. From a kit, build, successfully launch, and recover a boost glider.			
Launch date:			
Design, build (not from a kit), finish, and paint a single-stage rocket. Check for stability, and successfully launch and recover this rocket.			
Launch date:			
Do one of the following: a. From a kit build, finish, and paint a two-stage rocket. Successfully launch and recover this rocket.			
b. From a kit, build, finish, and paint a three-engine clustered single-stage rocket. Successfully launch and recover this rocket.			
Launch date:			
Design an electrical launch system. When this has been approved by your instructor, build this system and use it to launch rockets at least five times.			
Launch date: 1			
2			
3			
4			
5			
Describe and demonstrate single station altitude tracking.			
Date demonstrated:			

	With the aid of a helper, track the same rocket three times using three different sizes of engines and compare altitudes with an altitude finder.				
	Engine Size	A	Altitude		
1.					
2.					
3.					
	Compare the velocity and altitude of two different weights of rockets using the same size engine.				
1	Rocket Weight	3	Altitude		
1			_		
2					
3			_		