Payload Calculator Maximum Lift-off Weigh: 113 grams

While the Flight Engineers are building the rocket, the Mission Specialists perform the following tasks to complete this form.

1	Write the names of the flight engineers, mission specialists, and the name of the rocket on this form		
	Flight Engineer	Flight Engineer	
	Mission Specialist	Mission Specialist _	
	Rocket Name		
2	ack the egg and the payload cushion in the payload tube. Make sure the packing material does ot push the nose cone and coupler out of the payload tube.		
3	Veigh the payload cushion alone – do not include the egg, payload tube, nose cone, or ulkhead or the rocket!		
4	Vrite the weight of the payload cushion on this form. Add the weight of the rocket, engine, and egg to the weight of the cushion and write it in the Actual lift-off weight box.		
	Weight of Payload cushion		grams
	+ Weight of Rocket	57.5	grams
	+ Weight of Engine	19.0	grams
	+ Weight of payload (the egg)	11.5	grams
	= Actual lift-off weight		grams
	Make sure your Actual lift-off weight is less than 113 grams!!		
5	Pack the payload cushion in the payload tube so you can save it for launch day. Do not include the egg!		
6	Describe the materials you used to cushion the egg. Write down your prediction for how high the rocket will fly. Payload cushion materials: Predicted Altitude:		
7	Get some Scotch tape and follow the build payload section-Mission Specialists.mp4 video to concept the payload Section of your rocket.		