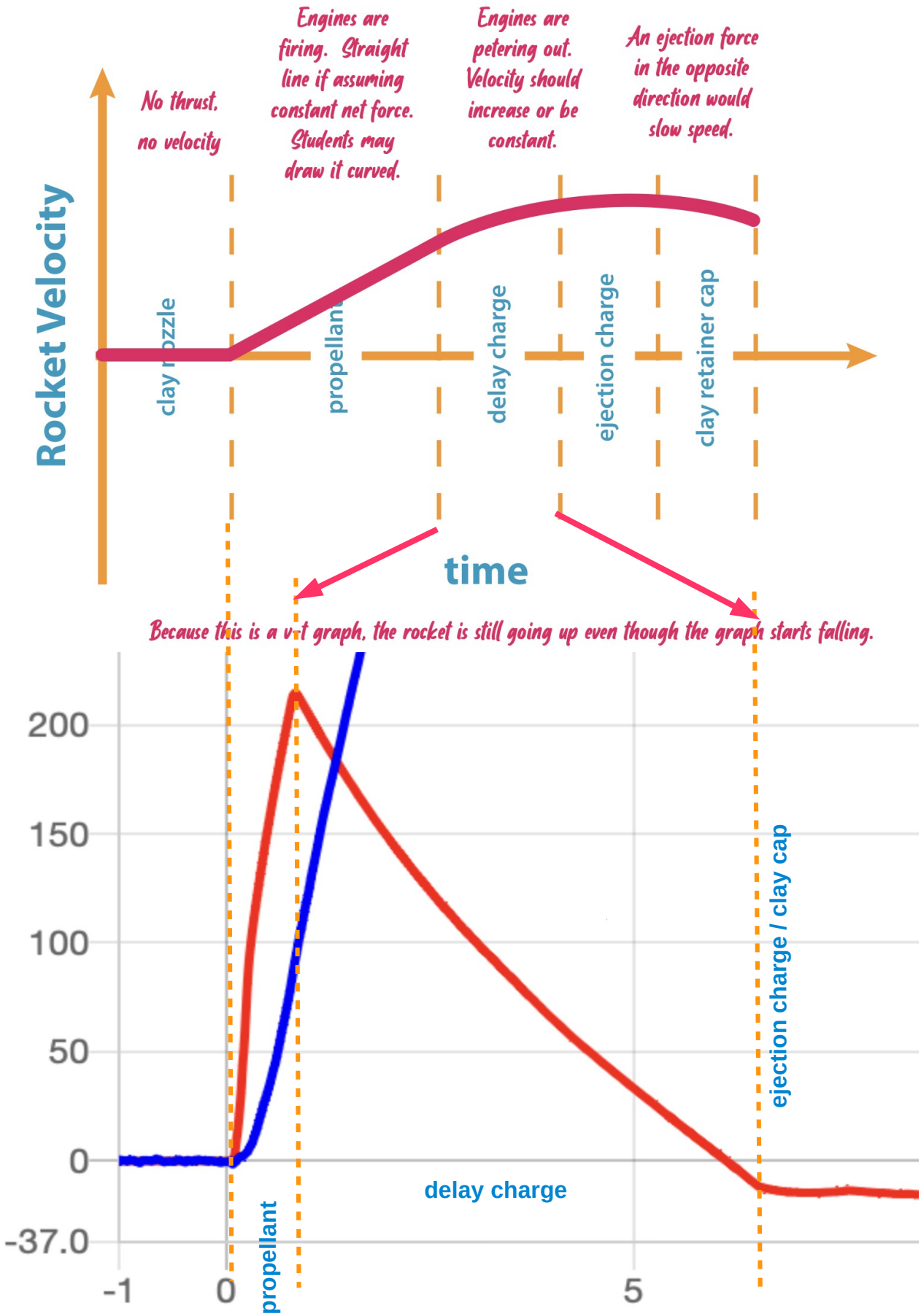
No thrust, no velocity
Engines are firing. Straight line if assuming constant net force. Students may draw it curved.
Engines are petering out. Velocity should increase or be constant.
An ejection force in the opposite direction would slow speed.
Rocket Velocity
clay nozzle
propellant
delay charge
ejection charge
clay retainer cap
time
Because this is a v-t graph, the rocket is still going up even though the graph starts falling.
200
150
100
50
0
-37.0
-1
0
5
propellant
delay charge
ejection charge / clay cap