

Edition: 2025 November 17 12h23 EST DAVIDLIAO.COM

Optional (see instructions): **Phrase-translation table** (for “main feature”, choose from object/person, action, location/time, and quantity).

	Phrase	Main feature	Draw	Phrase	Main feature	Draw
1.			11.			
2.			12.			
3.			13.			
4.			14.			
5.			15.			
6.			16.			
7.			17.			
8.			18.			
9.			19.			
10.			20.			

<u>Sketch</u>	<u>Force diagram</u>	<u>Motion diagram & velocity change</u>	<u>Newton's Tripod</u>
			$\vec{a}$ Direction: $\Sigma \vec{F}$ $\Delta \vec{v}$

Force-components table

Axis			x -axis					y -axis		
$\vec{F}_{\text{OBJ} \rightarrow \text{SYS}}$	Direction	Full size	x -part	$x\text{-dir}$ $\rightleftharpoons$	$x\text{-sign}$ $(\pm)$	x -size	y -part	$y\text{-dir}$ $\updownarrow$	$y\text{-sign}$ $(\pm)$	y -size
$\Sigma \vec{F}$			ΣF_x				ΣF_y			
Show work										