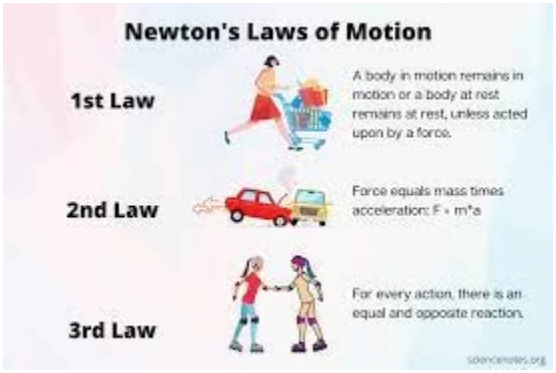
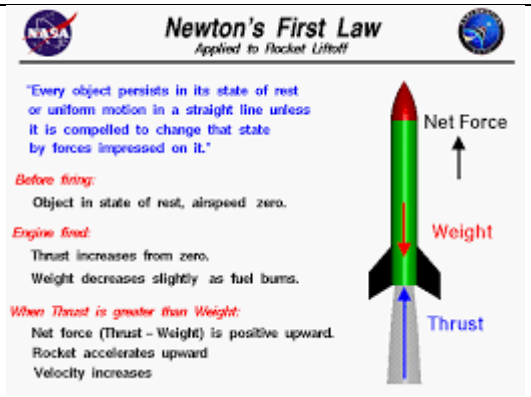
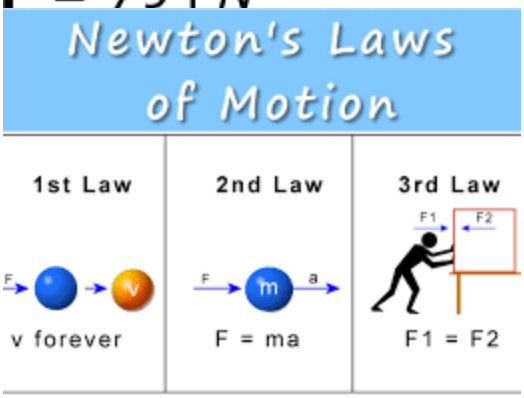
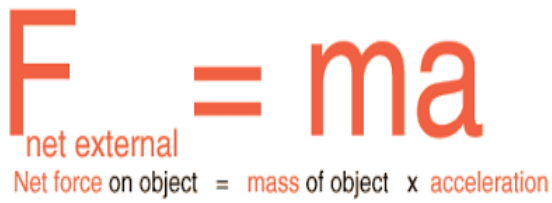
BASIC 7

WEEKLY LESSON PLAN – WEEK 3

Learning Indicator(s)	B7.4.4.1		
Performance Indicator	B7.4.4.1.1 State and explain Newton's First Law of motion		
Week Ending	30-09-2022		
FORM	B.S.7		
Subject	Integrated Science		
Reference	Curriculum, Teachers Resource Pack, Learners Resource Pack.		
Teaching / Learning Resources	Textbook, Pictures, Word Chart, Video Player.		
DAYS	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFECTION**
MONDAY **26-09-2022**	Learners brainstorm to explain the meaning of Motion.	1. Discuss with Learners Newton's Law of Motion. 2. Learners are to be guided to explain Newton's Law of Motion. 3. Show Learners a tutorial video show of Newton's Law of Motion. 	**Core Competencies;** 1. Ability to ascertain when information is needed and be able to identify, locate, evaluate and effectively use them to solve a problem. 2. Adhere to behavioural protocols that prevail in cyberspace. Knowledge

			and recognition of ethical use of information 3. Explain ideas in a clear order with relevant detail
THURSDAY **29-09-2022**	Through questions and answers, review Learners knowledge on the three (3) laws of Motion.	1. Guide Learners to apply the Formula for calculating Newton's First law of motion. 2. Discuss with Learners the Formula for calculating the second and the third laws of Motion. $\mathbf{F} = m\mathbf{a}$ $\mathbf{F} = (81\ kg)(9.81\ m/s)$ $\mathbf{F} = 794\ N$   **Equation of Newton's second Law of Motion;**	**Core Competencies;** 1. Ability to merge simple/ complex ideas to create novel situation or thing. Recognise and generalise information and experience; search for trends and patterns. Being open-minded, adapting and modifying ideas to achieve creative results

		The equation for Newton's second law is: $\vec{a} = \frac{\Sigma \vec{F}}{m} = \frac{\vec{F}_{\text{net}}}{m}$	