

## Course Outline 2021

### Subject: Level THREE Physics

Course Code:	L3 PHYS01	Course Length:	Full year
Brief Description:			
<p>This is an academic course to best prepare learners for the L3 Physics course. Physics is the science that has an impact on all our lives ranging from the mobile phones we use daily to nuclear power stations that generate electricity.</p> <p>Physics uses mathematics as an important tool and it is therefore recommended that learners have good mathematical skills. Learners will build their skills in problem solving and communicating ideas.</p>			
Prerequisites/Co-requisites:			
L3PHYS requires an in-depth understanding of the Level 2 Physics material and requires ability in algebra. It is highly recommended that learners have 10+ credits from L2PHYS.			
Cost/Equipment:			
<p>\$90: Course manual, Fold out notes, Education Perfect and Rainbows End trip</p> <p>Learners will also need a 2B8 hardcover book.</p>			
Teacher in Charge of this Course:		Mrs B Menezes	

Max credits - 20 plus optional standards if applying for restricted entry courses							
Max external credits - 16 unless applying for restricted entry courses							
Course Design				I/E	Num/Lit (level)	Number of credits	Standard completion date
Compulsory Internal AS/US							
1.	91521v2	Carry out a practical physics investigation to test a physics theory relating two variables in a non-linear relationship	I	Lit	4		
Optional AS/US							

1.	91523v2	Demonstrate understanding of wave systems Recommended for those learners applying for Engineering at UofA	E	Lit	4	NCEA November
2.	91525v2	Demonstrate understanding of Modern Physics	I	Lit	3	
External AS						
1.	91524v2	Demonstrate understanding of mechanical systems	E	Lit	6	NCEA November
2.	91526v2	Demonstrate understanding of electrical systems	E	Lit	6	NCEA November