

Senior Phase Natural Sciences Cognitive Levels (BLOOMS)

Low order questions (40%)				Middle order questions (45%)				High order questions (15%)			
Level 1 Remembering		Level 2 Understanding		Level 3 Applying		Level 4 Analysing		Level 5 Evaluating		Level 6 Creating	
Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.		Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.		Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.		Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.		Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.		Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.	
acquire categorise choose copy define describe find identify label list locate match memorise name omit point out quote recall recite recognise record relate repeat respond retrieve	select show state tabulate tell	classify compare conclude contrast define demonstrate describe differentiate discuss draw estimate exemplify explain express extend identify illustrate infer interpret locate match outline paraphrase	recognise relate rephrase report represent restate review show summarise translate	apply build calculate change choose compute construct demonstrate develop dramatise employ execute exhibit experiment with identify illustrate implement interpret interview make use of model modify operate organise	plan practice predict relate restructure select sketch solve	analyse assume attribute break down calculate categorise classify compare conclude correlate criticise deconstruct deduce detect devise differentiate discover dissect divide examine experiment find	infer inspect integrate motivate organise outline separate simplify structure survey test for	argue arrange assess choose compose conclude construct criticise decide deduct defend design detect determine develop disprove document estimate evaluate experiment explain formulate	generalise hypothesise interpret judge justify measure modify order organise predict prioritise produce propose prove recommend relate select test	adapt argue assess change choose combine compare compile compose conclude consider create criticise decide deduce design develop elaborate estimate evaluate formulate	generalise hypothesise imagine improve integrate judge measure modify plan predict produce propose rearrange solve suppose test
Familiar context (known – explicitly stated in CAPS)				Unfamiliar context (unknown/application – not explicitly stated in CAPS)							