Assessment without levels – Science progress descriptor

Key concepts: Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry, and physics. Develop understanding of the nature, processes, and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.			
Retrieving *Working to consolidate…*	**Developing** *Working towards…*	**Securing** *Working at…*	**Extending** *Working above…*
Use some common words to the scientific concept/topic.	Use some basic tier 3 vocabulary that link to the scientific concept/topic.	Use tier 3 vocabulary confidently to the scientific concept/topic.	Use tier 3 vocabulary fluently to relate two or more different scientific concepts/topics.
Demonstrate some relevant knowledge and understanding using limited scientific vocabulary.	Demonstrate mostly accurate knowledge and understanding of key scientific ideas and can start to apply these to familiar contexts using mostly accurate scientific terminology.	Demonstrate accurate knowledge and understanding of key scientific ideas and apply these correctly to familiar contexts, using accurate scientific terminology.	Demonstrate relevant and comprehensive knowledge and understanding of a wide range of scientific ideas and apply these correctly to both familiar and unfamiliar contexts using accurate scientific terminology.
Use experience to provide simple explanations for scientific phenomena.	Use scientific knowledge, understanding and experiences to provide simple explanations for scientific phenomena.	Use scientific knowledge, understanding and experiences to provide detailed explanations for scientific phenomena.	Use scientific knowledge, understanding and experiences to provide detailed explanations for scientific phenomena in both familiar and unfamiliar contexts.
Apply a simple model to illustrate a scientific idea/concept/process.	Apply scientific models to develop simple explanations of scientific concepts/phenomena.	Apply scientific models to develop detailed explanations of scientific concepts/phenomena.	Apply scientific models to develop explanations of scientific concepts/phenomena and evaluate the limitations of using models.