## HKDSE Physics

### LEVEL DESCRIPTORS

Candidates at this level typically:

| Level 5 | • demonstrate comprehensive knowledge and understanding of facts, concepts and principles in the Physics curriculum  
• apply the concepts of physics to a wide range of unfamiliar situations  
• analyse, synthesise and critically evaluate information from multiple perspectives and in an in-depth manner  
• effectively communicate ideas in a succinct, logical and coherent manner with accurate use of scientific terminology and in appropriate formats  
• design and conduct scientific investigations, evaluate procedures, handle and analyse data collected, and draw valid conclusions |
| Level 4 | • demonstrate sound knowledge and understanding of facts, concepts and principles in the Physics curriculum  
• apply the concepts of physics to unfamiliar situations  
• analyse, synthesise and evaluate information from several perspectives  
• communicate ideas in a logical and coherent manner using scientific terminology and in appropriate formats  
• design and conduct scientific investigations, handle and interpret data collected, and draw conclusions |
| Level 3 | • demonstrate adequate knowledge and understanding of facts, concepts and principles in the Physics curriculum  
• apply the concepts of physics to unfamiliar situations with guidance  
• construct relationships and analyse information  
• communicate ideas in a clear, structured manner using scientific terminology and in appropriate formats  
• design and conduct scientific investigations, handle and interpret data collected, and draw conclusions with guidance |
| Level 2 | • demonstrate basic knowledge and understanding of facts, concepts and principles in the Physics curriculum  
• apply the concepts of physics to familiar situations  
• describe relationships and handle information  
• communicate ideas using appropriate scientific terms  
• conduct practical work by following instructions, handle and interpret data collected, and draw simple conclusions |
| Level 1 | • recall elementary facts and principles in Physics curriculum  
• apply the concepts of physics to simple and familiar situations  
• handle simple information presented in a straightforward manner  
• communicate simple ideas using scientific terms  
• conduct simple practical work by following instructions and collect the required data |