GCSE Chemistry C6 Electrolysis			
What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
How to separate compounds using a process called electrolysis	**Knowledge** • Key definitions including electrolysis, anode, cathode, electrolyte and ion • Equipment used in electrolysis and how it is arranged • Metals form positive ions and non-metals negative ions • Charges are oppositely attracted to each other • Advantages and disadvantage of the process **Understanding** • Explaining why each substances is formed at that electrode • Evaluating the use of electrolysis in real world applications including metal extraction with links to previous topics on formation of ions **Skills** • Making predictions based on scientific knowledge and understanding • Use detailed observation for conclusions or future predictions • Using scientific terminology to describe and explain •	Linking to displacement reactions to explain why electrolysis is needed Constructing half equations for the changes at each electrode Suggesting further applications of the technology Application of understanding to methods of electrolysis on an industrial scale	BBC Bitesize Doddle – power points and quick quizzes You tube: 'Free science lessons' Seneca learning platform