**UNIT OVERVIEW: Aromatic Amines**

**ENQUIRY:** How the properties of amines differ due to the N- electron pair interaction in the benzene ring?

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| **Unit intention:**  Amines are very reactive compounds, so they are useful as intermediates in organic synthesis. The amines also show unique properties as organic bases where the lone pair of N interacts with the benzene ring electrons. In this unit the students will have the opportunity to study the properties of amines as bases and nucleophiles and learn some synthetic route to organic products via amines. | | | |
| **Success criteria** | | 🗸 | X |
| 1. I can define the amines and use the IUPAC systems to name the amines.  2. I can recognise the amines as primary, secondary, tertiary and explain their reactivity.  3. I can compare and explain the base strength of aromatic and alkyl amines compared to ammonia.  4. I can use amines as nucleophiles to synthesise organic products from Haloalkanes and Haloarenes.  5. I can give examples of economic and industrial importance of amines. | |  |  |
| **Unit summative and formative assessment details:**  Mini mocks  End of topic test | | | |
| **Home Learning (What and how often):**  Flip learning/home work – weekly  Seneca- 1 hour a week  Past exam paper practice. | | | |
| **Topic Sequence**   1. Introduction to Amines 2. Properties of amines as bases. 3. Amines as nucleophiles 4. Synthesis of amines from haloalkanes and Haloarenes. 5. Economic and industrial importance of amines 6. End of unit test | **Recommended reading:** | | |

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| **Success criteria** – Have you met them? Show your evidence in the boxes below. |
| **1.** |
| **2.** |
| **3.** |
| **4.** |
| **5.** |
| **6.** |
| **How will you improve your work?** |

**End of Unit EVALUATION**