**Unit / Project Overview**

|  |  |
| --- | --- |
| Curriculum Area / SkillsChemistry quantitive Learning Outcomes Pupils to understand the application and importance of quantitive chemistry in the pharmaceutical industry | Subject / Course GCSE ChemistryTeacher Dr I SheppersonClass/Year group tear 9 triple chemistryNumber of Students 45Start date Jan/Feb 2020Length of project 8 weeks Additional Info |
| Driving QuestionWhy Is quantitive chemistry important  |
| How can the learning from the employer visit be applied to the project idea?Understanding of the importance of quantities and economic consideration in manufacture  |
| Which Stakeholders could help deliver the project?MSDSunderland University Pharmaceutical department  | Foreseen Challenges / solutions? |
| Draft activity timeline (specific delivery times / flexibility)8 Lessons |
| Products / outputs?Pupils produce a report looking at the costs and quantities required to synthesize a pharmaceutical compound | How will you celebrate, showcase learning with wider stakeholders?Present to MSD or Sunderland University |
| How will the work be assessed? How will you measure the impact, what are the success criteria? Pupils report shows understanding of quantitive chemistry and its application  | DifferentiationStudents work in groups more able support less able.Provide less able with support material to produce reports  |