**Unit / Project Overview**

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| Curriculum Area / Skills  Chemistry quantitive  Learning Outcomes Pupils to understand the application and importance of quantitive chemistry in the pharmaceutical industry | | Subject / Course GCSE Chemistry  Teacher Dr I Shepperson  Class/Year group tear 9 triple chemistry  Number of Students 45  Start date Jan/Feb 2020  Length of project 8 weeks  Additional Info |
| Driving Question  Why 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?  MSD  Sunderland 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 | | Differentiation  Students work in groups more able support less able.  Provide less able with support material to produce reports |