Class level: Year 7 and above Subject: Chemistry Prepared by: Arnold Mtopo

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| **Overview & Purpose**The aim of the honour is to teach basic chemistry principles; atomic structure, simple chemical reactions and their application to everyday life. True science complement the bible | **Pathfinder Standard addressed**God is the creator of all things as recorded in Genesis 1: 1 and Colossians 1: 12 – 18. True science does not contradict the Bible.  |

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| **Section Items** | **Counsellor Guide** | **Pathfinder Guide** | Resources |
| **Objectives**By the end of the session pathfinders will be able to give definitions of the terms in the honours and explain experimental observations using provided resources | Explain the objectives considering the bible text above. | Pathfinders will write what they understand the two verses mean to them in their worksheets |  |
| **Honour Content**The requirements of the Chemistry Honour have been adopted as detailed on page 131 in the Pathfinders Honour Handbook August 2011  | Use PowerPoint, worksheets, demonstrations and experimental resources  | Pathfinders will use worksheets and experimental resources provided to research explanations for observations. |  |
| **Verification**Check learning | Learning will be assessed by question and answer sessions and activities in the worksheets | Pathfinders will respond to questions in their worksheets |  |
| Activities | Organise pathfinders in working groups | Use resource sheets to research explanation for experiments |  |
| Summary | Emphasise that God is the centre of our education even in science and that we should see God in science especially in the order of the Periodic Table | Pathfinders will say at least 5 things they would have learnt during the lesson. |  |

Bible texts: Genesis 1:1; Col 1: 12 – 18 and Jer 2:22