

Introduction

The specification for Double award Science in a “normal” year comprises of 7 units which together count towards the overall award of the Science GCSE.

Unit 1 Double award BIOLOGY 1 – this is a written examination of 1 hour 15 minutes

Unit 2 Double award CHEMISTRY 1 – this is a written examination of 1 hour 15 minutes

Unit 3 Double award PHYSICS 1 – this is a written examination of 1 hour 15 minutes

Unit 4 Double award BIOLOGY 2 – this is a written examination of 1 hour 15 minutes

Unit 5- Double award CHEMISTRY 2 – this is a written examination of 1 hour 15 minutes

Unit 3 Double award PHYSICS 2– this is a written examination of 1 hour 15 minutes

Unit 7 Double award PRACTICAL ASSESSMENT - Practical assessment is carried out in centres, but will be externally marked by WJEC

In June 2020 WJEC announced changes to the course due to the Covid-19 pandemic. Removing Unit 1, Unit 2, Unit 3 and the NEA from the qualification and redistributing the weighting to Unit 4 – (Double Award) BIOLOGY 2, Unit 5 – (Double Award) CHEMISTRY 2, Unit 6 – (Double Award) PHYSICS 2. This has been reflected in the content that has been taught to year 11 and is reflected in the assessment points shown below.

Sources of evidence for Centre Determined Grades in Biology

Assessment point 1 = Past paper exam questions completed in lesson under **high control** on DNA and inheritance. Completed the week beginning the **5th of October 2020**.

Assessment point 2* = Past paper question on Classification completed in lesson under **high control** using WJEC past papers and mark schemes. Completed the week beginning the **30th of November 2020**.

Assessment point 3 = Online test assessing Variation, Evolution, Response and regulation. Completed the week beginning the **8th of February 2021**. **Low-Medium control depending on pupils completing within the hour session**.

Assessment point 4* = Past paper questions on Variation, Evolution, Response and regulation and disease completed in lessons under **high control** conditions in the week beginning the **22nd of March 2021**.

Assessment point 5 = Past paper questions on Classification, Cell division, DNA using WJEC materials. Completed in lessons under **high control** conditions on the **27th of April 2021**.

Assessment point 6 = Standardised assessment materials provided by WJEC to assess Variation and Evolution, Response and regulation, Disease. Completed in lessons under **high control** conditions on the **25th of May 2021**.

Sources of evidence for Centre Determined Grades in Chemistry

Assessment point 1 = Past paper exam questions completed in class under **high control** on bonding and reactions of acids topic (2.1 and 2.2). Completed the week beginning the **9th of November**.

Assessment point 2* = WJEC past paper questions about bonding and reactions of acids topics (5.1 and 5.2). Completed in lesson under **high control** using WJEC past papers and mark schemes in the week beginning the **14th of December**.

Assessment point 3 = An online quiz using Microsoft Forms on the metals and their extraction and energy changes in reactions topics (5.3 and 5.4). This was timed and monitored by the teacher. **Low-Medium control depending on pupils completing within the hour session**.

Assessment point 4* = Past paper questions on metals and their extraction and energy changes in reactions topics (5.3 and 5.4) completed in lessons under **high control** conditions in the week beginning the **22nd of March**.

Assessment point 5 = Past paper questions on the first three topics; bonding, reactions of acids and metals and their extraction. (**23rd of April**)

Assessment point 6 = Standardised assessment materials provided by WJEC to assess all covered content in the topics; energy changes in reactions and crude oil, fuels and organic chemistry (5.4 and 5.5) as well as practical and mathematical skills. This assessment was completed under **high control**. (**21th of May**)

Sources of evidence for Centre Determined Grades in Physics

Assessment point 1 = Past paper exam questions completed in lesson under **high control** on Newton's laws and distance time and speed time graphs. Completed the **week beginning the 26th October**.

Assessment point 2* = Past paper question on tectonic processes completed in lesson under **high control** using WJEC past papers and mark schemes in the **week beginning the 14th of December**.

Assessment point 3 = A word document with past paper questions on the topics of motion. This was timed and monitored by the teacher at home in the **week beginning the 1st February**. **Low-Medium control depending on pupils completing within the hour session**.

Assessment point 4* = Past paper questions on the topics of motion and the space topic completed in class under **high control** conditions in the **week beginning the 22nd of March**.

Assessment point 5 = Past paper assessment materials provided by WJEC to assess the content on motion (topics 1-3). This assessment was completed over 1 lesson under **high control** on **20th April**

Assessment point 6 = Past paper assessment materials provided by WJEC to assess the content on space and radioactivity (topics 4-6). This assessment was completed over 1 lesson under **high control on 24th May**

*Some classes will have missed an AP2 or AP4 in one or more of their science subjects. This is due to periods of isolation and also because all double award classes have just one hour per week of one of the science subjects. However, across the three science subjects and the range of assessments points there is a sufficient body of evidence completed by each class.

Class work = A range of knowledge and skills are demonstrated by students in biology, chemistry and physics lessons through their performance in low stakes summative assessment which includes recall tests, quizzes, verbal answers to question, small tasks carried out that are not necessarily graded or levelled, longer independent learning tasks and other low stakes tests such as use of online resources like Educake. Students skills in chemical calculations, writing chemical equations, drawing graphs and data analysis have also been closely monitored by teachers this year.

Practical Assessment = There has been no practical assessment completed by any student to be considered in a portfolio of evidence due to its cancellation from the course in June 2020.