

Delegate Booklet
Course Title: Pearson Edexcel
International GCSE Biology:
Welcome to Pearson
4BI1-20IF2



Pearson

About this event

Course Title: Approaches to Teaching the Pearson Edexcel International GCSE in Biology

Course Code: 4BI1-20IF2

Aims and Objectives of the event

- Find out about Pearson Edexcel
- Understand the content of the specification
- Understand how to plan lessons for this course, including practicals
- Be introduced to a range of teaching and learning strategies for Biology
- Understand how transferable skills and maths skills can be incorporated in your teaching
- Understand how the qualification is assessed
- Examine mark schemes and student work
- Have an opportunity to network and share best practice with other teachers
- Find out how Pearson can support you



Pearson

Agenda

Time	Item
9.30 – 10.00	Welcome Tea and coffee
10.00 – 10.15	Agenda and introductions
10.15 – 11.00	New international GCSE specification – content
11.00 – 12.00	Assessment Objectives
12.00 – 12.30	Question styles
12.30 – 1.15	Lunch
1.15 – 2.00	Question styles and command words
2.30 – 3.30	Practical skills
3.30 – 3.45	Maths skills
3.45+	Support from Pearson



Pearson

Activity 1 – What order should we teach topics in?

Purpose:

- To understand how the specification works and how content from different sections links together

Task

Use the specification to decide:

Which topics should be covered first?

Which topics should be left to the end?

Which topics should be covered in the middle?

Which topics are very 'synoptic'?

Which topics are conceptually difficult?

Which topics require other aspects of the specification to have been covered previously?

(Delegates will need their copies of the specification and Activity sheet 1.)



Pearson

Activity 2 – Gas exchange in humans

Purpose:

- To understand how the specification works and how content from different sections links together

Task

Which other areas of the specification does gas exchange in humans link to?

(Delegates will need their copies of the specification and Activity sheet 2.)



Pearson

Activity 3 – Identifying Assessment Objectives

Purpose:

- To understand Assessment Objectives and identify which Assessment Objectives are used in different questions

Task

Identify the Assessment Objectives (AO1, AO2, AO3) that each question is focused on.

(Delegates will need their copy of Activity sheet 3.)



Pearson

Activity 4 – What Assessment Objectives would the student need to focus on?

Purpose:

- To understand how to help students identify which AOs and topics they find more challenging

Task

Look at the test grid and identify what the student would need to focus on and suggest ways of improving.

(Delegates will need their copy of Activity sheet 4.)



Pearson

Activity 5 – Making a mark scheme and marking candidate answers

Purpose:

- To understand how mark schemes work and how to mark candidate answers

Task

Make a mark scheme with 5 mark points for the question.
Mark the two example answers using the official mark scheme.

(Delegates will need their copy of Activity sheet 5.)



Pearson

Activity 6 – Making a mark scheme and marking experimental planning questions

Purpose:

To understand how mark schemes work and how to mark candidate answers for experimental planning questions.

Task

Make a mark scheme for the question with a CORMS mark scheme.
Mark the three example answers using the official mark scheme.

(Delegates will need their copy of Activity sheet 6.)



Pearson

Activity 7 – Plotting graphs

Purpose:

- To understand how graphs should be plotted and are marked

Task

Draw a line graph for the data shown. Compare the graph with those drawn by other delegates.

(Delegates will need their copy of Activity sheet 7.)



Pearson

Activity 8 – Command words and definitions

Purpose:

- To understand what each command word requires

Task

List at least five command words and what you think the definitions are.

(Delegates will need their copy of Activity sheet 8.)



Pearson

Activity 9 – Marking candidates' scripts

Purpose:

- To understand how to apply mark schemes.

Task

Mark all the questions using the official mark schemes.

(Delegates will need their copy of Activity sheet 9.)



Pearson

Activity 10 – Key scientific terminology

Purpose:

- To understand the key scientific terminology used in exams

Task

Complete the grid to identify each of the terms.

Term	Definition
	A value that is close to the true value
	Factors that would affect the experiment and so need to be maintained constant
	Variable that is measured as a result of changing another
	The variable that is under investigation and is changed by the experimenter
	Results that have been repeated and show a similar pattern
	An investigation where all the variables have been controlled and the results are reliable
	The value that would be obtained under ideal conditions

(Delegates will need their copy of Activity sheet 10.)



Pearson

PERSONAL LEARNING

Things to do:

-
-
-
-
-

Things to avoid:

-
-
-
-
-

Your ideas:

(To be completed by delegates)