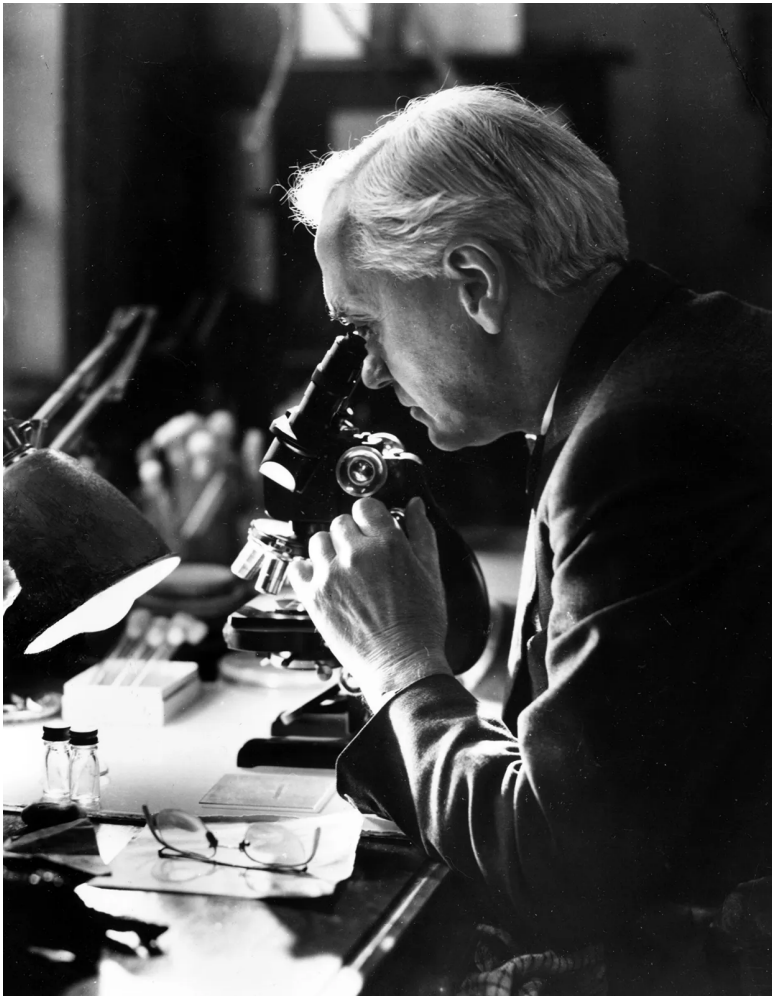


IBDP HL BIOLOGY - PROGRAMME

DP Biology specification (first assessment 2025).

Title	Course programme for IBDP HL Biology
Author	Dr. Ganesh Balasubramanian  (all rights reserved)
Image	 Alexander Fleming - discoverer of Penicillin

NAME _____

DATE _____

DAY 1		
Session #	Timings	Description
1	9am - 10.45am (1h 45min)	• Cell biology ○ Cell structure ○ Microscopy ○ Differentiation ○ Membrane structure ○ Cell signalling ○ Membrane transport ○ Water potential
Coffee break (30 min)		
2	11.15am - 1pm (1h 45min)	• Biochemistry ○ Water ○ Carbohydrates ○ Lipids ○ Proteins ○ Enzymes
Lunch (1h)		
3	2pm - 3pm (1h)	• A focus on Data analysis ○ Experimental design ○ Identification of variables ○ Data interpretation ○ Reliability ○ Ethics ○ Scientific communication
Break (15 min)		
4	3.15pm - 4.15pm (1h)	Consolidation & wrap-up
End of Day 1		

DAY 2		
Session #	Timings	Description
1	9am - 10.45am (1h 45min)	• Animal A & P - Part I ○ Neural signalling ○ Circulation ○ Gas-exchange
Coffee break (30 min)		
2	11.15am - 1pm (1h 45min)	• Animal A & P - Part II ○ Immunity ○ Muscles ○ Homeostasis
Lunch (1h)		
3	2pm - 3pm (1h)	• A focus on extended response ○ Understanding command terms ○ Approach (Scope, focus, context) ○ Essay planning ○ Scientific communication ○ Playing to your strengths
Break (15 min)		
4	3.15pm - 5.15pm (2h)	Student 'sign-up' sessions
End of Day 2		

DAY 3		
Session #	Timings	Description
1	9am - 10.45am (1h 45min)	• Respiration ○ ATP ○ Aerobic pathway ○ Anaerobic pathway
Coffee break (30 min)		
2	11.15am - 1pm (1h 45min)	• Photosynthesis ○ Pigments & light ○ Light-dependent reactions ○ Light-independent reactions
Lunch (1h)		
3	2pm - 3pm (1h)	• Nucleic acids ○ Discovery & early research ○ Nucleic acid structure ○ DNA replication
Break (15 min)		
4	3.15pm - 4.15pm (1h)	Consolidation & wrap-up
End of Day 3		