

Subject	Year		Term		
Biology	12		1		
	То	pic			
Transport Across Membranes					
Content (Intent)					
Prior Learning (Topic) Topic B1 – Cell Biology					
Cell membrane structure and the fluid mosaic model.					
 Diffusion & facilitated diffusion 					
Active transport					
 Adaptations of membranes for rapid transport Co-transport including absorption of glucose and amino acids from the gut 					
Euture Learning (Tonic) Vear 12 Immunity					
Future Learning (Topic) Year 12 - Immunity Year 13 – Photosynthesis: Respiration: Sensing & Responding – Internal & External					
How will knowledge and skills be taught?		How will your understanding be assessed &			
(Implementation)		recorded (Impact)			
Demos		- 3 x assessed homeworks (Grade given.			
Practical work		Written & verbal feedback. Response			
Required practical 3 – osmosis in pota	to chips	expected.)			
Required practical 4 – cell membrane permeability		-1 x end of topic test combined with cells &			
Written		to class and individuals)			
Class notes Past naner questions in class					
Past paper questions in homeworks					
Write-ups of practicals 3 & 4					
How can parents help at home?					
Look at the topic specific resources on the VLE					
Use appropriate youtube channels: cognito, freesciencelessons, Crash Course Biology.					
Encourage students to use the textbook issued.					
Take an interest! Ask your children what they have learnt and be curious about their					
learning.					
Reading	Vocabulary Lists Careers Links				
New Scientist	Phospholipid, bilaver		Biochemistry		
Biological Science Review	glycoprotein, glycolipid,		Biomedical science		
Magazine	diffusion, facilitated		Biological sciences		
	diffusion, osm	osis, water	Medicine		

The Biologist Magazine –	potential, active transport,	Veterinary medicine
Royal Society of Biology	ATP, permeability.	Bioveterinary science
Royal Society of Biology blog		Nursing
Science and Nature		Midwifery
Magazine		Healthcare science
		Zoology
		Radiology
		Ecology