



**Virtual Science Department:
LESSON PLAN**

Lesson Plan No: of Topic

Learning Intentions: All pupils should learn that there are different types of cells, called specialised cells and recognise the similarities and differences between the cells. Most pupils should understand the features of the cells that make them appropriate for their function.

New Vocabulary: 'ciliated epithelial', haemoglobin, nerve cells, 'palisade cell', 'root hair cell'.

Resources: Promethean IWB; ActivStudio; Spectrum 7 text book; Cell diagrams; PowerPoint show on cells; Hwk sheet; worksheet 1.

Time	Teacher Action	Pupils Action / Pupils Learning
<i>Introduction to Lesson:</i>		
10 mins	Teacher invites pupils into the lab, tell them to be seated and instruct them to label the 2 diagrams of cells. Open ActiveStudio "Activities" on Cells, invite pupils to drag and drop correct labels on diagram	Either from memory or from referring to exercise books, label the 2 diagrams Pupils use IWB to remember parts of plant and animal cells
<i>Main part of Lesson:</i>		
30 mins	Using the PowerPoint show, identify and describe the specialized cells: 'ciliated epithelial', 'red blood cell', 'nerve cell', 'palisade cell' 'root hair cell' Using questioning and examples	Answer questions on the different cells. Draw diagrams of the cells in exercise books and name them. Begin to answer questions from worksheet on 'Specialised Cells'. {This will be part of the starter for the next lesson}
<i>Plenary:</i>		
10 mins	Open ActiveStudio Flipchart of the final slide in PowerPoint show that contains drawing of each cell. Invite pupils to write correct names of cells. Inform pupils of homework assignment.	Label own diagrams accurately, write correct cell names on IWB. Write homework into diaries.

Homework opportunities: Complete questions from sheet on 'Hairy cells and other special cells' (Spectrum 7).	Pupil Support: Teacher provides support for pupils who might need reminders of the cell names.	Extension Activities: Worksheet 1 to extend able pupils.
--	--	--