ontemporary Science Issues

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Biology	Lesson 3: DNA discovery			
Curriculum Key:	AQA Core 10.8	OCRA B1	OCRB B1g	Edexcel topic 2
 Objective(s) Understand that there are different types of scientists, some methodical and some inspirational. Learn that scientific discovery is often a race and not always fair. 			Resources needed: Audio cassette player Time line card sort Pegs/paperclips String.	
Starter: 10 minutes Teacher asks who has hea Explains that DNA controls the 1950s many scientists of DNA so that they could of Audio clip from BBC Book of The Dark Lady of DNA".	everything about us were trying to find ou explain how it works.	and that in ut the structure	Teacher input/a After clip ask if Ros fairly treated.	assessment salind Franklin had been
Main Activity 1: 25 minutes			Teacher input / assessment	
Card sort: Cards have de leading up to discovery of and turn into a time line. Students attach to "washin ability students, card set vaccompanying text. If time permits, ask studer which enabled Rosalind's this could happen now. Vaplagiarism?.	structure of DNA. Sing line". Alternative without dates and wants to consider the consideration that the	for higher ith conditions , and whether	about their choices	e, questioning students
Plenary: 10 minutes Discussion about different ways scientists can work – methodical like RF or inspirational like Watson and Crick (who did no experimental work). Ask if students have heard of any famous women scientists. Students' vote whose work was most important in discovery of DNA, Franklin or Watson and Crick. A more structured plenary could focus on the outcomes to measure the learning that has taken place.		Teacher input / assessment Lead discussion. Emphasise how important it is that scientists share information.		
Learning Outcomes: All students must: Unders Most students should: Un can be a race. Some students could: Un elucidation of DNA structur Key Skills: Literacy, analys communication, listening Key words: DNA, X ray cry Homework: Research ano	nderstand that scient derstand that two dif e Understand that no sis of text, teamwork ystallography, double	ists may disagre fferent types of s ot all scientific re	ee with each other and cientific investigation is earchers are credit on the control of the cont	n resulted in the ted with their discoveries.

discoveries.