



St Wilfrid's Catholic School Science Department

Year 10 Information Evening

15th October 2009

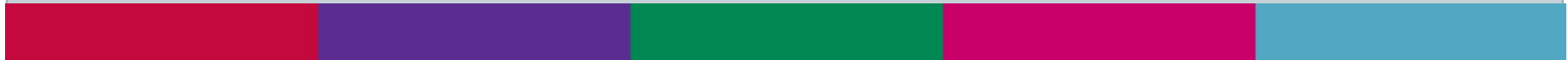


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KS4 Science Courses at St Wilfrid's



1. BTEC Applied Science
2. AQA Core and Additional Science (Double Science)
3. AQA Biology, Chemistry and Physics (Triple Science)

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- Equivalent to 2 GCSEs in science
- No exams: all assignments (“coursework”)

Course Structure (Y10 & 11):

- **Chemistry Module: 6 assignments**
- **Physics Module: 6 assignments**
- **Biology Module: 6 assignments**





- In order to be successful students must pass all 18 assignments
- 18 assignments at “pass” grade= C C
- 18 assignments at “merit” grade= B B
- 18 assignments at “distinction” grade = A A

But....

- 17 assignments at “pass” grade + 1 fail = Nothing

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AQA Course Layout



1. Double Award (2 Science GCSEs)

- Core Science GCSE in Year 10
- Additional Science GCSE in Year 11

AQA Core Science Layout

Year 10 Core Science	
Biology 1 (B1)	
Biology 1a Multi choice questions Objective test 12.5%	Biology 1b Multi choice questions Objective test 12.5%
Chemistry 1 (C1)	
Chemistry 1a Multi choice questions Objective test 12.5%	Chemistry 1b Multi choice questions Objective test 12.5%
Physics 1 (P1)	
Physics 1a Multi choice questions Objective test 12.5%	Physics 1b Multi choice questions Objective test 12.5%
Investigative Skills Assignment (ISA)	
Science Centre-Assessed Unit (B1, C1 or P1) based on normal class practical work	
<ul style="list-style-type: none"> Investigative Skills Assignment (an externally set, internally assessed test taking 45 minutes) Practical Skills Assessment (a holistic skills assessment) 	
25%	
Biology = 25% Chemistry = 25% Physics = 25% ISA + PSA = 25%	

Core Science GCSE



- B1 25%
- C1 25%
- P1 25%
- ISA 25%

AQA Core Science Exam Dates



1. November 19th 2009

2. March 3rd 2010

3. June 28th 2010

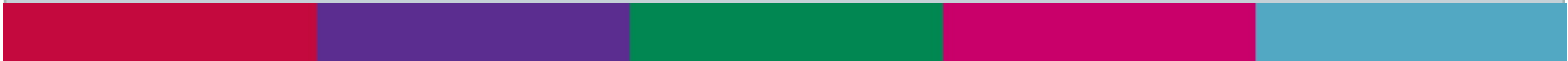
In addition...

- Friday 23rd October Immersion Day (next week)
- All GCSE students will complete an ISA
- Very important (25% of Y10)!!



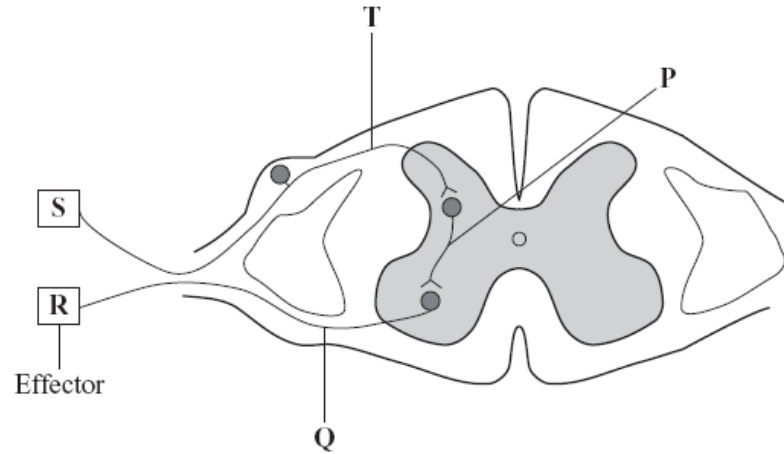
“Why multiple choice- surely that’s too easy?”

- More able candidates: will face challenging questions where all answers are plausible
- Less able candidates: will be able to leave the exam having attempted every question



A person accidentally touches a drawing pin. Their hand automatically moves away from the pin.

The diagram shows the parts involved in this reflex action.



7A Which of the following shows the pathway of nerve impulses of this reflex?

- 1 R → Q → P → T → S
- 2 S → R → Q → P → T
- 3 S → T → P → Q → R
- 4 T → P → Q → R → S

7B Which row in the table shows the correct names of the neurones in the diagram?

	Sensory neurone	Relay neurone	Motor neurone
1	P	Q	T
2	Q	T	P
3	T	P	Q
4	T	Q	P

Higher tier
example
questions.

Too easy?!!

Investigative Skills Assignment (ISA)



- 25% of Year 10 Core Science Grade
- Replaced traditional coursework

ISA Structure

1. Students carry out a lab-based practical investigation
 2. From this they must produce a results table and graph under exam conditions
 3. This is followed by a 45 minute exam paper which assesses:
 - (a) Students' knowledge of the investigation
 - (b) Their subject knowledge of the area investigated
- Year 10 students submit their highest marked ISA at the end of the year

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1. Core Science (Y10)

- **Biology (B1)**, **Chemistry (C1)**, Physics (P1)

2. Additional Science (Y10 & Y11)

- **Biology (B2)**, **Chemistry (C2)**, Physics (P2)

3. Extension Science (Y11)

- **Biology (B3)**, **Chemistry (C3)**, Physics (P3)



Revision



- Time will be spent practising past-papers in class prior to November 20th
- “Masterclass” sessions starting after school from Monday until the 19th November exam to provide additional help to students (dates in handout)

Y10/Y11 GCSE Core Science Revision

Tonight: Monday 19th October
3:30pm

Teacher	Revision Topic	Where?
Mr T. Flower	Biology B1b.5: Adaptations	F40
Mr J. Arnold	Biology B1a.1: Coordination and Control	F36

EXAM THURSDAY 19TH NOVEMBER!!

Any Questions?



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