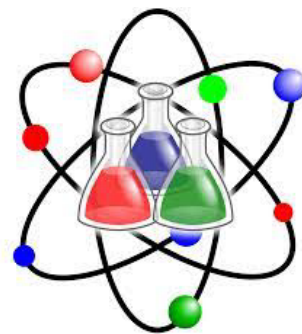


# King James's Science Y11 Science Mocks

## Nov 2025



Students will have three full papers, one in each Science. Suggested revision schedule. Start with the kerboodle quizzes, then decide what works best for you (e.g. revision guide or senecalearning).

**Biology:** Combined and *Separates* - Full Paper 1

**Chemistry:** Combined and *Separates* - Full Paper 1

**Physics:** Combined and *Separates* - Full Paper 1

The Topics covered in Paper 1 (and therefore the mocks) are:

| Biology                                                                                                                                             | Chemistry                                                                                                                                                                                                                                      | Physics                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Cell Biology</li> <li>• Organisation</li> <li>• Infection and Response</li> <li>• Bioenergetics</li> </ul> | <ul style="list-style-type: none"> <li>• Atomic Structure and the Periodic Table</li> <li>• Bonding, structure and the properties of matter</li> <li>• Quantitative Chemistry</li> <li>• Chemical Changes</li> <li>• Energy Changes</li> </ul> | <ul style="list-style-type: none"> <li>• Energy</li> <li>• Electricity</li> <li>• Particle Model of Matter</li> <li>• Atomic Structure</li> </ul> |

### Mock Revision schedule

| Week                     | Biology                      | Chemistry                           | Physics                     | Revision Support                                                                       |
|--------------------------|------------------------------|-------------------------------------|-----------------------------|----------------------------------------------------------------------------------------|
| 6 <sup>th</sup> October  | Cell structure and transport | Atomic Structure and Periodic Table | Energy Stores and Transfers | Mon 6 <sup>th</sup> – Room S73 Biology revision<br><br>Friday lunchtime drop in S73    |
| 13 <sup>th</sup> October | Cell division                | Chemical changes (metals, acids)    | Energy transfers by heating | Mon 13 <sup>th</sup> – Room S75 Chemistry revision<br><br>Friday lunchtime drop in S73 |

|                           |                                                                                 |                                                                      |                                                                                                   |                                                                                           |
|---------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 20 <sup>th</sup> October  | Organisation: digestion, lungs                                                  | Chemical changes (electrolysis)                                      | National and Global Energy Resources and Supplying Energy                                         | Mon 20 <sup>th</sup> – Room S27<br>Physics revision<br>Friday lunchtime drop in S73       |
| Half Term                 | Organisation: heart, plants                                                     | Periodic Table – Group 1, 7, 0 (and transition metals for separates) | Electrical Circuits                                                                               |                                                                                           |
| 3 <sup>rd</sup> November  | Infection and response                                                          | Ionic, Covalent and Metallic Bonding                                 | Energy of Matter                                                                                  | Mon 3 <sup>rd</sup> – Room S73<br>Biology revision<br><br>Friday lunchtime drop in S73    |
| 10 <sup>th</sup> November | Bioenergetics                                                                   | Quantitative Chemistry                                               | Atoms and Radiation                                                                               | Mon 10 <sup>th</sup> – Room S75<br>Chemistry revision<br><br>Friday lunchtime drop in S73 |
| 17 <sup>th</sup> November | Required Practicals<br>Osmosis, Microscopy, food tests, Enzymes, Photosynthesis | Required Practicals<br>Making Salt, Electrolysis,                    | Required Practicals<br>Specific Heat Capacity, Resistance in a wire, I-V Characteristics, Density | Mon 17 <sup>th</sup> – Room S27<br>Physics revision<br><br>Friday lunchtime drop in S73   |

# Additional Resources to support your revision

Try and do 25 minutes to half an hour then stop and do something else. Little and often is best.

If you log on to kerboodle you should find quizzes for each topic. Try and do one a day.

Senecalearning, bbc bitesize and revision guides are also really useful.

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>Kerboodle log in – log in here for the checkpoint quizzes and the practise past paper</p> <p>School Code: pru3<br/>My Login is:<br/>My Password is:<br/>Ask your teacher for this</p>                                                                                                                                   |    |
| <p>Senecalearning- a great, free, online revision program, with instantaneous feedback.</p>                                                                                                                                                                                                                                |   |
| <p>BBC bitesize – make sure you click on AQA Biology, Chemistry or Physics (Single Science)</p>                                                                                                                                                                                                                            |  |
| <p>Primrose kitten summary videos</p> <div> Bio  Chem  Phys</div> |                                                                                       |
| <p>Required practical revision; look at focus learning</p>                                                                                                                                                                                                                                                                 |  |