



Wallington  
County Grammar School

## Physics

### Bridging Work and Reading List 2024/25

Physics	
Name and email address of Subject Leader to be contacted if you have any issues with this Bridging Work:	Mr J Croft jcroft@wcgs.foliotrust.uk
Time required to complete this task:	3 hours maximum
Task details:	<ol style="list-style-type: none"><li>1) Click this link and setup an account <a href="https://isaacphysics.org/login">https://isaacphysics.org/login</a>. If you attended the school for your GCSEs you may find it easier to 'log in with google' using your school account</li><li>2) You will need to confirm your account by clicking on the link in the email they send.</li><li>3) When you have logged into your account click this link: <a href="https://isaacphysics.org/account?authToken=QYKEC6">https://isaacphysics.org/account?authToken=QYKEC6</a>. You may have to grant access to your information; all you are granting is that I can see your name. You should now see 'J. Croft' under teacher connections.</li></ol> <p>Alternatively: login and click on 'My Isaac' then 'My account', click on the 'teacher connections tab', Enter the code QYKEC6; and click 'apply code'. You may have to grant access to your information; all you are granting is that I can see your name. You should see now 'J. Croft' under teacher connections.</p>

	<p>4) Click 'My Isaac' again and then on 'my assignments' you should then see 2 boards to complete ('2019 Bridging work part 1 &amp; 2). Click on the purple hexagons to answer the questions. You are expected to answer all the questions.</p> <p>5) To help you may need to refer to the information here on significant figures: <a href="https://isaacphysics.org/solving_problems">https://isaacphysics.org/solving_problems</a>. If you get the 'correct' numerical answer but it is to the wrong number of significant figures Isaac Physics will mark it incorrect – more on sig figs next year! You may need some help on SI units (board A2 in bridging work part 1), if so please refer to these videos: <a href="https://www.youtube.com/watch?v=jLRoseFxm30">https://www.youtube.com/watch?v=jLRoseFxm30</a>; <a href="https://www.youtube.com/watch?v=Sb8cxC4IQy8">https://www.youtube.com/watch?v=Sb8cxC4IQy8</a>.</p> <p>6) You will need to show your working when you submit your bridging work.</p> <p>7) Some information on Isaac Physics:</p> <ul style="list-style-type: none"> <li>● We use it to set homework so will need an account for the next two years.</li> <li>● It is used to give you experience of the concepts we cover in lessons with instant feedback.</li> <li>● The homeworks starts with practice of the basics and then finishes with some challenging questions.</li> <li>● The idea is to gain mastery of a particular area of physics. Your teacher cannot see how many times you have attempted a question, but only whether you eventually got the right answer or not.</li> </ul>
<p><b>Resources required:</b></p>	<p>Internet connected device &amp; calculator.</p>
<p><b>Submission details:</b></p>	<p>Ensure you have completed the questions online by Friday 15th September</p>

## Reading list

These are the books used for the course if you wish to purchase them

Title:	Author(s):	ISBN:	Amazon Link:	When needed:
Physics 1	Nick England	978-1-4718-0773-2	<a href="https://www.amazon.co.uk/Level-Physics-Student-level-Science/dp/1471807738/ref=pd_bxgy_img_1/261-7739888-6757463?pd_rd_w=3z9CN&amp;pf_rd_p=c7ea61ca-7168-47e3-9c8b-d84748f5b23c&amp;pf_rd_r=HF D4YA5XT4NR70E0ZEWA&amp;pd_rd_r=859cd2f1-2cc0-41a0-8a1f-3d361b20318e&amp;pd_rd_wg=lgTKA&amp;pd_rd_i=1471807738&amp;psc=1">https://www.amazon.co.uk/Level-Physics-Student-level-Science/dp/1471807738/ref=pd_bxgy_img_1/261-7739888-6757463?pd_rd_w=3z9CN&amp;pf_rd_p=c7ea61ca-7168-47e3-9c8b-d84748f5b23c&amp;pf_rd_r=HF D4YA5XT4NR70E0ZEWA&amp;pd_rd_r=859cd2f1-2cc0-41a0-8a1f-3d361b20318e&amp;pd_rd_wg=lgTKA&amp;pd_rd_i=1471807738&amp;psc=1</a>	Start of Y12
Physics 2	Nick England	978-1-4718-0776-3	<a href="https://www.amazon.co.uk/AQA-Level-Physics-Student-Book/dp/1471807762">https://www.amazon.co.uk/AQA-Level-Physics-Student-Book/dp/1471807762</a>	January of year 12