

# N5 PRACTICAL ELECTRONICS ESSENTIAL INFORMATION

<p><b>Which topics are covered at N5?</b></p> <table border="1"> <tr><td>Topic</td></tr> <tr><td>Circuit Design</td></tr> <tr><td>Circuit Simulation</td></tr> <tr><td>Circuit Construction</td></tr> </table>	Topic	Circuit Design	Circuit Simulation	Circuit Construction	<p><b>What apps and websites can I use to support my learning?</b>  <a href="https://www.sqa.org.uk/pastpapers/findpastpaper.htm">https://www.sqa.org.uk/pastpapers/findpastpaper.htm</a>          Yenka simulation software available as a free download for home use from Sumdog.</p> <p><b>Are there important dates of which I should I be aware?</b>          Sep/Oct – Formal Assessment Phase 1          Dec – Formal Assessment Phase 2          Throughout the year but to be finished by April – Project (70% of final grade)          Apr/May – Final exam</p>														
Topic																			
Circuit Design																			
Circuit Simulation																			
Circuit Construction																			
<p><b>How is the course assessed?</b></p> <table border="1"> <thead> <tr> <th>COMPONENT</th> <th>DETAILS</th> <th>LENGTH</th> <th>MARKS</th> <th>SCALED</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>FINAL EXAM:</td> <td>One test paper, about ten questions.</td> <td>60 minutes</td> <td>60</td> <td>30</td> <td>30</td> </tr> <tr> <td>IN SCHOOL: Project</td> <td>Project - undertaken in class under close supervision. Marked internally and subject to SQA verification</td> <td>Throughout the school year.</td> <td>70</td> <td>70</td> <td>70</td> </tr> </tbody> </table>		COMPONENT	DETAILS	LENGTH	MARKS	SCALED	%	FINAL EXAM:	One test paper, about ten questions.	60 minutes	60	30	30	IN SCHOOL: Project	Project - undertaken in class under close supervision. Marked internally and subject to SQA verification	Throughout the school year.	70	70	70
COMPONENT	DETAILS	LENGTH	MARKS	SCALED	%														
FINAL EXAM:	One test paper, about ten questions.	60 minutes	60	30	30														
IN SCHOOL: Project	Project - undertaken in class under close supervision. Marked internally and subject to SQA verification	Throughout the school year.	70	70	70														
<p><b>What resources do I need?</b>          Resources from lessons (One Note and Teams)          A PC at home with access to the Yenka software (free download) would be an advantage but is not necessary.</p>	<p><b>What else can I do to improve?</b></p> <ul style="list-style-type: none"> <li>• This is a practical course so be prepared to 'have a go'.</li> <li>• You can only claim credit for work you can evidence. Keep a record of progress, preferably photographic.</li> <li>• Practise use of your calculator- especially how to input scientific notation.</li> <li>• Learn the SI Unit prefixes and practise use of indices.</li> <li>• Read the course reports (<a href="https://www.sqa.org.uk/sqa/files_ccc/2023-n5-course-report-practical-electronics.pdf">https://www.sqa.org.uk/sqa/files_ccc/2023-n5-course-report-practical-electronics.pdf</a>) to see the common errors made by candidates.</li> <li>• Practise using the relationship sheet and data sheet when answering questions.</li> </ul>																		
<p><b>Where can I find more information about the exam and assignment?</b>          The SQA Understanding Standards provides exemplars.  <a href="https://www.understandingstandards.org.uk/">https://www.understandingstandards.org.uk/</a></p>	<p><b>How do I ensure top marks?</b>          Be precise in planning and construction.          Listen to and act on teacher feedback.          Prepare for all assessments.</p>																		
<p><b>Where do I find the past papers?</b>          These are on OneNote but you will also find past papers back to 2018 on the SQA site.  <a href="https://www.sqa.org.uk/pastpapers/findpastpaper.htm">https://www.sqa.org.uk/pastpapers/findpastpaper.htm</a></p>																			
<p><b>Where do I find more information about the course?</b>  <a href="https://www.sqa.org.uk/files_ccc/PracticalElectronicsCourseSpecN5.pdf">https://www.sqa.org.uk/files_ccc/PracticalElectronicsCourseSpecN5.pdf</a></p>																			