



# Aerospace Systems


Advice for Year 11 and 12 students learning from home

The Queensland Curriculum and Assessment Authority (QCAA) understands that the COVID-19 pandemic has changed the way many senior students are accessing their learning.

We've prepared some suggestions to help you with your studies.

## Resources to support preparation for assessment

Assessment type	Suggestions to support learning from home
<b>Project (folio) (IA1 &amp; IA3)</b> 	<ul style="list-style-type: none"><li>• Review the Internal assessment 1 (IA1) and Internal assessment 3 (IA3) sections of the subject report that can be found on the Teaching tab on the <a href="#">Aerospace Systems subject page</a>. Focus on the samples of effective practices for the IA1.</li><li>• Review the sample Project (folio) (IA1 &amp; IA3) on the Assessment tab on the <a href="#">Aerospace Systems subject page</a>.</li><li>• Continue to document the application of the problem-solving process to your project (folio).</li><li>• Ensure you have clearly identified the aerospace management, safety, airline and/or airport operations (IA1) or aircraft performance systems and/or human factors problem (IA3).</li><li>• Use online sources or other forms of information to explore and document your research into the problem.</li><li>• Develop and analyse your solution.</li><li>• Generate and graph data. Where appropriate, test, simulate or hypothesise your data.</li><li>• Evaluate and refine your proposed solutions, developing recommendations for enhancement.</li></ul>
<b>Examination (IA2)</b> 	<ul style="list-style-type: none"><li>• Review the Internal assessment 2 (IA2) section of the subject report that can be found on the Teaching tab on the <a href="#">Aerospace Systems subject page</a>. Focus on the samples of effective practices.</li><li>• Review the sample Examination (IA2) on the Assessment tab on the <a href="#">Aerospace Systems subject page</a>.</li><li>• Continue developing the knowledge and skills required to respond to the task.</li><li>• Engage with problem-based learning experiences through the five subject matter topics from the syllabus.</li><li>• Consider researching approaches to aviation oversight and service systems, airspace management, accident and incident reduction in the context of the environment/human error, and airport and airline efficiency.</li></ul> <p>Suggested resources to support understanding of the subject matter:</p> <ul style="list-style-type: none"><li>• Airservices Australia <a href="http://www.airservicesaustralia.com">www.airservicesaustralia.com</a></li><li>• <i>Pilot's Handbook of Aeronautical Knowledge</i>, US Department of Transportation and Federal Aviation Administration <a href="http://www.faa.gov/regulations_policies/handbooks_manuals/aviation/phak/media/pilot_handbook.pdf">www.faa.gov/regulations_policies/handbooks_manuals/aviation/phak/media/pilot_handbook.pdf</a></li><li>• Civil Aviation Safety Authority visual flight rules guide <a href="https://vfrg.casa.gov.au">https://vfrg.casa.gov.au</a></li><li>• Skybrary <a href="http://www.skybrary.aero/index.php/Main_Page#operational-issues">www.skybrary.aero/index.php/Main_Page#operational-issues</a></li><li>• Brisbane Airport Corporation <i>Annual Report 2016</i> <a href="http://www.bne.com.au/sites/default/files/no-index/BAC-Annual-Report-2016.pdf">www.bne.com.au/sites/default/files/no-index/BAC-Annual-Report-2016.pdf</a></li></ul>

Assessment type	Suggestions to support learning from home
<p><b>External assessment (EA)</b></p> 	<ul style="list-style-type: none"> <li>• Review past papers and the sample external assessment that can be found on the Assessment tab on the <a href="#">Aerospace Systems subject page</a>.</li> <li>• Review the External assessment section of the subject report that can be found on the Teaching tab on the <a href="#">Aerospace Systems subject page</a>. Focus on <ul style="list-style-type: none"> <li>- examples of effective student responses and practices</li> <li>- practices to strengthen, including recommendations to consider when preparing for external assessment.</li> </ul> </li> </ul>



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