

### Registered Scientist - explanatory notes on competencies

Please note that we ask for evidence from *you*. Successful submissions require “I” not “we”; this should not rehearse the work of your organisation, your laboratory, or your team, but explain your *own* application of knowledge and understanding, the techniques that you use and examples of the ways that you might apply your knowledge in your science career.

#### Application of Knowledge and Understanding

	Explanatory note
1. Develop, maintain and extend a sound theoretical approach to application of science and technology in practice	<p>Assessors will be looking for evidence in two areas:</p> <ul style="list-style-type: none"> <li>❑ How you have identified the limits of your own personal knowledge and skills in your area of work and how you have strived to overcome this.</li> <li>❑ How you have broadened your own knowledge base through undertaking new applications, methods and techniques</li> </ul>
2. Apply underlying scientific concepts, principles and techniques in the context of new and different areas of work	<p>Assessors will be looking for evidence in two areas:</p> <ul style="list-style-type: none"> <li>❑ A description of the underlying science concepts behind any application, methods and techniques you are using.</li> <li>❑ How you applied these principles to the development of new and/or different processes in your work.</li> </ul>
3. Analyse, interpret and evaluate relevant scientific information, concepts and ideas and to propose solutions to problems	<p>Assessors will be looking for evidence in two areas:</p> <ul style="list-style-type: none"> <li>❑ Descriptions(s) of the methods and techniques you have used to analyse, interpret and evaluate your work.</li> <li>❑ Description (s) of how you have used the above to analyse and overcome a problem occurring in your area of work</li> </ul>

## Personal Responsibility

	<b>Explanatory note</b>
4. Work autonomously while recognising limits of scope of practice	<p>Assessors will be looking for evidence in two broad areas:</p> <ul style="list-style-type: none"> <li>❑ Please provide examples of work where you have worked in an independent manner. What was your role and what was the outcome?</li> <li>❑ Please also discuss any limits to the independent role that you had and how this fitted the overall outcome</li> </ul>
5. Take responsibility for safe working practices and contribute to their evaluation and improvement	<p>Assessors will be looking for evidence in two broad areas:</p> <ul style="list-style-type: none"> <li>❑ Please indicate the safe working practices (including legislation and local guidelines) applicable to your work and highlight areas of responsibility you have for implementation, monitoring or training.</li> <li>❑ What have you undertaken to monitor the evaluation, effectiveness and improvement of safe working practices?</li> </ul>
6. Promote and ensure the application of quality standards	<p>Assessors will be looking for a description of the quality standards used in your work and your role in ensuring the work undertaken was completed to acceptable quality standards</p>
7. Take responsibility for planning and developing courses of action as well as exercising autonomy and judgement within broad parameters	<p>Assessors will be looking for evidence of where you have initiated and developed solutions to issues in your work environment.</p> <ul style="list-style-type: none"> <li>❑ Describe the issue, strategy, time lines together with indicators of success/failure.</li> <li>❑ In addition please also describe your role in the whole process and key people you worked with to effect a successful outcome</li> </ul>

## Interpersonal Skills

	<b>Explanatory note</b>
8. Demonstrate effective and appropriate communication skills	Assessors will be looking for examples of how you have used various forms of communication tools in your role and the intention and outcome of this form of communication. Examples include oral presentations, written reports, e-mail and social media forms of communication
9. Demonstrate interpersonal and behavioural skills	Assessors will be looking for evidence of skills that you have used to address an issue occurring in your work area. For instance it could be that you notice a colleague is performing a procedure incorrectly or in an unsafe manner. How did you address this issue and what was the outcome?
10. Demonstrate an ability to work effectively with others	Assessors will be looking for examples of 'team work' either in large teams or on a 1:1 basis. Here you will need to give examples of how you have worked effectively, the outcome and your role in this process.

## Professional Practice

	<b>Explanatory note</b>
11. Identify, review and select scientific techniques procedures and methods to undertake tasks	Assessors will be looking for evidence of where you had to undertake research to identify a new method, procedure or technique in your work. Please give example(s) of how you tackled the work and why the method, procedure or technique used was chosen as the best (or most relevant) to use.
12. Contribute to the organisation of tasks and resources	Assessors will be looking for evidence of how you have contributed to the day to day and longer term running of the laboratory or department.
13. Participate in the design, development and implementation of solutions	Assessors will be looking for evidence of your role in developing solutions for overcoming a shortfall or problem of current working practice (s) in your laboratory or department.  Please give examples and your role in helping to achieve a successful outcome.
14. Contribute to continuous performance improvement	Assessor will be looking for evidence of where you have suggested improvements to working practices in your laboratory or department which have contributed to improving their efficiency such as improved sensitivity, improved throughput, improved safety, lowering cost base etc.  Please describe your suggestion and why you thought it necessary, the strategy chosen, your overall role and the outcome of your suggestion.

## Professional Standards

	<b>Explanatory note</b>
15. Comply with relevant codes of conduct and practice	<p>Here you need to give examples of how you:</p> <ul style="list-style-type: none"> <li>❑ Comply with rules of professional conduct of own professional body (such as the Royal Society of Biology)</li> <li>❑ Manage work within all relevant legislation, regulatory frameworks such as Healthy and Safety Legislation, Home Office Regulations, Good Laboratory Practice (GLP), Local Work rules, COSHH etc.</li> <li>❑ Abide by the Science Council Model Rules of Conduct for Registrants.</li> </ul>
16. Maintain and enhance competence in own areas of practice through professional development activity	<p>Here please provide a summary of CPD carried out in the past 12 months and those CPD activities you propose to carry out in the next 12 months.</p>