



Breda O'Brien

Laboratory Skills Demonstration

Secondary description example

Final year Microbiology students participate in second year undergraduate practical classes as laboratory demonstrators, under the supervision of the academic laboratory co-ordinator. The final year student demonstrates, supervises, and offers feedback to second year undergraduate students on their scientific writing.

The final year student assists with laboratory organisation, and experimental set-up. Participants will receive this badge in recognition of their work in completing the lab demonstrating component of the Scientific Communications module MI 4104.

To earn this badge the student must:

- Under supervision, attend designated sessions, for 3 hours per week for the duration of 6 weeks to support undergraduate practical teaching.

Skills

Communication: Clearly and concisely articulated the minute of experiments performed in each lab. Adapted language to describe experiments ranging from basic entry level to more complex and intricate procedures. Actively listened to questions and provided solutions.

Confidence: Believed in one's ability to disseminate information to junior undergraduates. Identified and assessed one's individual and group strengths and weaknesses while interacting with and demonstrating to students. Developed awareness of ones' own learning interests and talents.

Innovative Thinking: Demonstrated originality and found new ways to express ideas when asked questions during demonstrations. Recognised the potential an idea had for creating value and communicated that during practical sessions.

Resilience: Developed perseverance under pressure. Learned from mistakes and applied previous strategies that were successful. Understood and adopted new ideas, approaches, and actions to maximise the demonstrator experience.

Teamwork: Empathised with and actively supported team members in practical sessions so that all students finished at the onetime. Gave and received constructive feedback and navigated any interpersonal conflict with the team and/or with the junior undergraduates of which there can be 70 undergraduates at any one time.

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