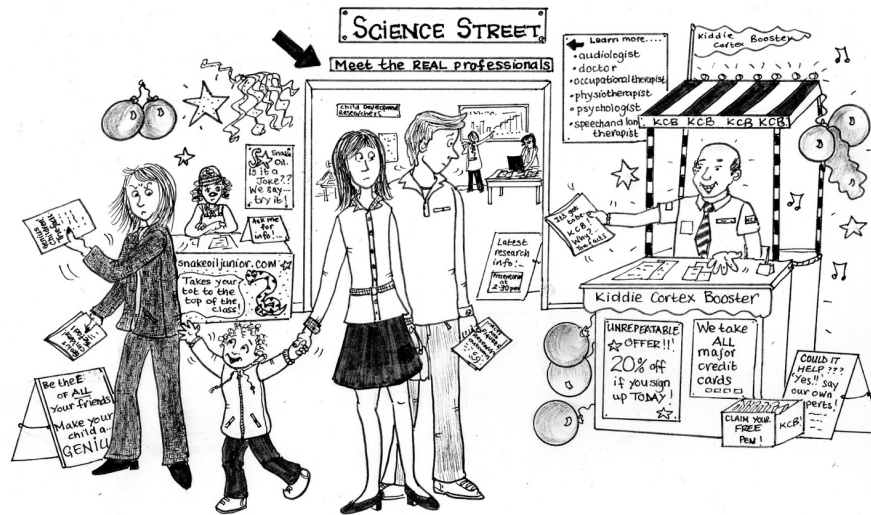


1-DAY WORKSHOP OUTLINE

Science and Pseudoscience in the Clinic and Classroom

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Medicine and allied health encompass science-based professions in which ethical, evidence-based, theoretically sound practice is central. But pseudoscientific “interventions” impact practice, complicating our work with children and young people with developmental disorders that affect aspects of speech, language, literacy, fluency, voice, communication, attention, cognition, working memory, behaviour, and nutrition. In *Making Sense of Interventions for Children with Developmental Disorders*, Bowen and Snow (2017) clarify why pseudoscientific treatments don't or won't work, and in some instances why they are unsafe. But the book is not only about debunking myths. The authors also pilot readers towards treatments with worthwhile credentials, underpinned by solid theory, good science, and common sense.

Bowen and Snow are currently writing two more books. Drawing on the research underpinning all three books, Dr Bowen aims to provide opportunities for participants to review popular but troubling fad interventions, contrasting them with interventions supported by robust research data; consider the **cognitive biases** that sustain them; look at fad-related, anonymized **ethical dilemmas** within four ethical frameworks; consider the **opportunity costs** for all concerned, and discuss what SLPs/SLTs might do and say in such potentially delicate situations. The day comprises lecture-style content, Q&A, discussion, and problem-solving around case scenarios.

Learner Outcomes: Participants will

- Recognise the threats to clients, practice and the professions, posed by treatment fads.
- Review key issues around research literacy, information literacy, and cognitive bias.
- Contrast scientific interventions, with good credentials, with pseudoscientific, fad interventions.
- Apply four frameworks to problem-solving ethical dilemmas, and learn from shared experiences.
- Formulate responses to and remedies for ethical dilemmas, in Allied Health, and Education.

References

- Bowen, C. & Snow, P. (2017). *Making Sense of Interventions for Children with Developmental Disorders*. J&R Press.
- Bowen, C., Snow, P., & Brandon, P. (in preparation for 2024). *The Developmental Disorders Roadmap: Helping Children and Young People with Additional Needs at Home, at School, and Beyond*, J&R Press.
- Bowen, C. & Snow, P. (in preparation for 2025). *Making Sense of Interventions for Children with Developmental Disorders, Second edition*. J&R Press.