

Nanda Dev M.Sc., B.Ed.

Toronto, ON | Phone: 416-659-3830 | Email: nandadevadas@gmail.com

LinkedIn: www.linkedin.com/in/nanda-devadas-p

PROFESSIONAL SUMMARY

Dedicated secondary science teacher with a Master's in Biotechnology (First Rank) and a Bachelor of Education (Distinction). Experienced in delivering Cambridge IGCSE using inquiry-based and phenomenon-driven student-centered pedagogy. Skilled in differentiating instruction, integrating educational technology, and supporting English language learners, committed to fostering scientific literacy, critical thinking, and curiosity.

SKILLS

- **Pedagogy:** Differentiated Instruction (DI), Universal Design for Learning (UDL), Inquiry-Based and Phenomenon-Driven Teaching, 5E Model, Integration of Social-Emotional Learning
- **Learning Measurement and Assessment:** Design and implement formative and summative assessments; Assessment for, as, and of Learning; creation of rubrics and standards-aligned report cards
- **Inclusive Education:** Familiarity with Individual Education Plans (IEPs) and accommodations; experience supporting English language learners and diverse learning needs
- **Lab Management & Safety:** Planning and supervising inquiry-based labs, data analysis, and safe use of scientific equipment
- **Educational Technology:** Experienced with Google Workspace for Education, Microsoft Teams, interactive whiteboards, Cambridge digital resources, Artificial Intelligence tools and educational simulations
- **Communication & Collaboration:** Strong interpersonal skills and classroom management; build positive relationships with students, colleagues, and parents; committed to continuous professional growth and culturally responsive teaching

PROFESSIONAL EXPERIENCE

High School Biology Teacher | Cambridge IGCSE Grade 10

May 2024 - Apr 2025

AIMEE International School, Andhra Pradesh, India

- Implemented an inquiry-based, phenomenon-driven IGCSE Biology curriculum enriched with real-world case studies, resulting in higher student engagement and deeper scientific understanding
- Designed scaffolded lessons aligned to the Cambridge Common Curriculum and integrated Cambridge Resource Plus, Test Maker and interactive simulations, elevating engagement and aligning instruction with both core and extended assessment objectives
- Differentiated instruction using tiered tasks, visual organizers and peer-led discussions while providing targeted vocabulary and note-taking supports to English-language learners, boosting comprehension and confidence across diverse learning groups
- Facilitated collaborative investigations, ethics debates and problem-based learning activities that fostered critical thinking and scientific literacy, driving consistent academic gains and strong IGCSE Biology exam performance

Elementary Science Teacher Candidate | Grades 3 & 4

May 2023 - Apr 2025

AIMEE International School, Andhra Pradesh, India

- Taught Cambridge Primary Science using inquiry-based and phenomenon-driven learning, designing lessons rooted in real-world contexts to build conceptual understanding and scientific curiosity
- Supported ESL students in developing foundational science literacy and critical thinking skills through vocabulary-building strategies, guided questioning, and hands-on activities that promoted language-integrated learning
- Developed and implemented 5E instructional model along with differentiated lesson plans for primary science that ensured all students met grade expectations and led to a notable increase in student confidence, as confirmed by positive parent feedback

STEM Program Coordinator | Grades 1–9

May 2024 - Apr 2025

AIMEE International School, Andhra Pradesh, India

- Initiated and coordinated a successful STEM Saturday program across grade levels by securing resources and recruiting colleagues, which significantly enhanced students' scientific temper, critical thinking, and problem-solving
- Connected science, technology, engineering, and math concepts to real-world applications, fostering innovation and curiosity among students

Social-Emotional Learning (SEL) Instructor | Grade 4

May 2023 - Apr 2025

AIMEE International School, Andhra Pradesh, India

- Planned and facilitated Social-Emotional Learning (SEL) sessions that integrated moral values, empathy, and civic responsibility, encouraging students to grow as respectful and responsible individuals
- Used stories, real-life scenarios, case studies and reflective discussions to help students understand how to contribute meaningfully to their communities and the world
- Fostered a collaborative and inclusive classroom culture through structured routines, cooperative learning, and student-led initiatives such as cleaning duties, inspired by Japanese school values

EDUCATION

Bachelor of Education (B.Ed.)

Nov 2020 - Apr 2022

University of Calicut, Kerala, India (*First Class, Distinction*)

Master of Science Biotechnology (M.Sc.)

Jul 2018 - Apr 2020

Mahatma Gandhi University, Kerala, India (*First Rank, Distinction*)

Bachelor of Science Biotechnology (B.Sc.)

Aug 2015 - Apr 2018

University of Calicut, Kerala, India (*First Class, Distinction*)

CERTIFICATIONS, PROFESSIONAL DEVELOPMENT

- | | |
|----------------------------------------------------------------------------------------------------------------------------------|------|
| • Certified STEM Educator – Chitti | 2025 |
| • Artificial Intelligence Tools for Innovative Educational Practices - Chitti | 2025 |
| • Workshops: Orientation Program for Effective Use of Cambridge Learning Resources; STEM Educator Program; AI Tools in Education | 2023 |
| • KTET Category 3 & SET Biotechnology | 2022 |
| • Training: DNA Fingerprinting, CRISPR Genetic Modification, PCR-based Molecular Techniques, Phytochemistry | 2020 |