

# Nanda Dev M.Sc., B.Ed.

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Portfolio: <https://nanda-devadas.vercel.app/>

## PROFESSIONAL SUMMARY

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Dedicated secondary science teacher with a **Master's in Biotechnology (First Rank)** and a **Bachelor of Education (Distinction)**, with **2 years** of experience in delivering the Cambridge IGCSE curriculum using inquiry-based and phenomenon-driven, student-centered pedagogy. Skilled in differentiating instruction, integrating educational technology, and supporting English language learners, and committed to fostering scientific literacy, critical thinking, and curiosity.

## SKILLS

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- **Pedagogy:** Differentiated Instruction (DI), Universal Design for Learning (UDL), Inquiry-Based and Phenomenon-Driven Teaching, 5E Model, Integration of Social-Emotional Learning
- **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:** plan/supervise labs; data analysis; safe equipment use.
- **Educational Technology:** Google Workspace, MS Teams, IWBs, Cambridge digital tools, AI/simulations.
- **Communication & Collaboration:** classroom management; relationships with students, families, staff; culturally responsive practice.

## TEACHING & VOLUNTEER EXPERIENCE

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**Volunteer | Nurture the Nature Forest School**

August 2025

**On-call basis, Ontario, Canada**

- Collaborated with educators to support outdoor, nature-based learning sessions that connected children with the natural environment through play and exploration.
- Ensured children's safety during forest play, hiking, and tool use while fostering curiosity, teamwork, and confidence.
- Assisted in preparing and organizing learning areas and materials, promoting an inclusive and nurturing atmosphere that supported children's holistic development.

**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

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

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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

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- Early Childhood Assistant – YMCA 2025
- 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

## REFERENCES

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**1. Omkara Dantu**

Principal and Director

AIMEE International School, Vijayawada, India

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**2. Brittany Gillingham**

Founder and CEO

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