FAISAL UDDIN

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TEACHING PHILOSOPHY

Passionate educator committed to fostering inquiry-based learning, inclusive classroom environments, and student-centered pedagogy. Dedicated to making science accessible and engaging for all learners through evidence-informed practices, differentiated instruction, and authentic assessment strategies.

EDUCATION

Lakehead University, Thunder Bay, ON

Bachelor of Education (B.Ed.) — Intermediate/Senior Science, *In Progress*

Expected Completion: 2027

- Year 1 Teacher Candidate specializing in secondary science education (Biology, Chemistry, Physics)
- Coursework emphasis: Inclusive education, curriculum design, assessment for learning, classroom management, and Indigenous perspectives in education
- Practicum placements in diverse school settings developing lesson planning, differentiation strategies, and formative assessment practices

Rotman School of Management, University of Toronto, Toronto, ON

Master of Business Administration (M.B.A.), Strategic Management, 2015

- Healthcare Consulting Elective: Applied Design Thinking to redesign cancer patient experiences
- Regional Finalist, Hult Prize: Prototyped self-powered heart rate monitor for underserved communities, 2014
- Leadership Roles: VP Internal, Business Technology Group; First Year Sports Representative
- Rotman Ambassador: Mentored students through career transitions and professional development

McMaster University, Hamilton, ON

Honours Bachelor of Science (H.B.Sc.), Biochemistry, 2005

- GPA: 3.9/4.0, Dean's Honour List (2001–2005)
- McMaster Senate Award for academic performance and student leadership, 2003
- Physics Book Award for outstanding academic achievement in first-year Physics, 2002

TEACHING EXPERIENCE

Prep 101, Toronto, ON

MCAT Physics Instructor, 2016–Present

- Design and deliver inquiry-based physics lessons to classes of 30–100 pre-medical students, translating complex scientific concepts into accessible, memorable learning experiences
- Build inclusive classroom environments by learning every student's name and background, fostering strong relationships that enhance engagement, promote participation, and support diverse learning needs

- Differentiate instruction through varied teaching strategies (visual representations, worked examples, collaborative problem-solving) to meet individual student learning styles and needs
- Provide timely, descriptive feedback on practice assessments to guide student progress and build self-efficacy
- Collaborate with curriculum development team to revise and improve course materials based on student learning outcomes and educational research
- Achieve consistently high student satisfaction ratings through responsive teaching, clear communication, and commitment to student success

RELEVANT PROFESSIONAL EXPERIENCE

Traxion Strategic Partners, Toronto, ON

Consultant (2012–2015), **Analyst** (2010–2012)

- Designed assessment frameworks and data analysis tools for healthcare process improvement initiatives, developing skills in evaluation design, data literacy, and evidence-based decision-making transferable to classroom assessment practices
- Created educational materials, presentations, and visual learning tools for diverse stakeholder audiences, refining communication and instructional design skills
- Conducted needs assessments through stakeholder interviews to identify learning gaps and design targeted solutions, paralleling diagnostic assessment practices in teaching
- Led professional development workshops and training sessions for client teams, building facilitation and adult education skills
- Developed digital learning resources and designed interactive websites, building technological fluency applicable to educational technology integration

Hospital for Sick Children (University of Toronto Cancer Research Lab), Toronto, ON

Lab Research Coordinator, 2007–2010

- Managed multiple concurrent research projects, developing organizational and project management skills essential for planning differentiated instruction and managing diverse classroom activities
- Designed and built custom research equipment (surgical cutting jig for radiation studies), demonstrating problem-solving, innovation, and hands-on skills applicable to science lab instruction
- Co-authored peer-reviewed publication in American Society for Investigative Pathology, building research literacy and scientific communication skills to model for students
- Mentored undergraduate research assistants, developing coaching and scaffolding skills transferable to supporting diverse student learners

TEACHING-RELATED SKILLS

Pedagogical Competencies

- Inquiry-based learning and scientific investigation design
- Differentiated instruction and Universal Design for Learning (UDL)
- Formative and summative assessment strategies (CRAAP Test, Frayer Model, rubric design)
- Classroom management and restorative practices
- Literacy instruction in science (vocabulary development, source evaluation, scientific writing)
- Integration of High Impact Teaching Strategies (HITS)
- Assistive technology and accessibility support (Google Read & Write, screen readers)
- Parent communication and partnership building

Technology & Digital Literacy

- Educational technology integration (Google Workspace, learning management systems)
- Programming & web development: HTML, CSS, PHP, Java, SQL, Excel/VBA
- Graphic design for instructional materials: Adobe Photoshop, Illustrator
- Data visualization and analysis: Excel, Visio, PowerPoint
- Digital accessibility tools and adaptive technologies

Science Content Expertise

- Strong disciplinary knowledge in Biology (genetics, ecology, biodiversity, human systems)
- Physics and Chemistry foundations (bonding, electronegativity, mechanics, thermodynamics)
- Laboratory safety, equipment operation, and hands-on investigation design
- Scientific literacy and research methodology
- Cross-curricular connections (STEM integration, space science)

VOLUNTEER EXPERIENCE

Kids Help Phone, Toronto, ON

Volunteer Crisis Responder

- Provided compassionate, non-judgmental support to youth in crisis through active listening and empathetic communication
- Applied trauma-informed approaches to de-escalate difficult situations and support young people experiencing mental health challenges, family conflict, and peer relationships
- Developed skills in emotional regulation, cultural sensitivity, and building trust with diverse youth populations
- Demonstrated commitment to youth mental health advocacy and creating safe, inclusive spaces for vulnerable populations
- Completed comprehensive training in crisis intervention, mental health first aid, and youth development

Local Funeral Home, Mississauga, ON

Volunteer Family Support & Porter

- Supported grieving families through compassionate presence, active listening, and practical assistance during memorial services and viewings
- Provided dignified care as a porter, demonstrating respect, professionalism, and attention to detail in sensitive circumstances
- Developed exceptional interpersonal skills, cultural competency, and ability to respond appropriately to diverse family traditions and grief expressions
- Built capacity for emotional resilience, empathy, and maintaining composure in emotionally demanding situations
- Demonstrated reliability, discretion, and commitment to serving community members during life's most difficult moments

LEADERSHIP & SERVICE

- Pro Bono Educational Support: Website development and graphic design for local charities, schools, and start-up educational initiatives

- Community Development: Managing fundraising and stewardship for family-built school and orphanage in Bangladesh, supporting educational access for underserved children
- Student Mentorship: Coached student teams in business plan development for "UofT Hacks" technology and entrepreneurship events
- Curriculum Development Collaboration: Selected by Prep 101 to guide revisions of course textbook editions based on teaching insights and student feedback

PROFESSIONAL AFFILIATIONS & INTERESTS

Professional Memberships

- Ontario College of Teachers (Teacher Candidate)
- [Add any teacher associations]

Ongoing Professional Learning

- Evidence-informed teaching practices and educational research
- Indigenous perspectives and Truth and Reconciliation in science education
- Equity, diversity, and inclusive pedagogy
- Assistive technology and accessibility in STEM education

Personal Interests

- Carpentry and woodworking (hands-on making and design thinking)
- DIY electronics and engineering projects (maker education)
- Competitive basketball (teamwork, coaching, physical literacy)
- Culinary arts and food science (chemistry in everyday life)

REFERENCES

Available upon request