Middle School Science & Design Technology Teacher

The ISB Educator Profile

ISB educators embody key attributes integrated with our core values to create a vibrant, inclusive learning community. They are **adaptable** professionals who thrive in dynamic environments, remaining flexible and ready to pivot to meet the evolving needs of our students. As true **collaborators**, they view education as a shared endeavor—actively co-planning, co-teaching, and building strong relationships with colleagues and families. They serve as **optimistic problem solvers** who approach every challenge with a positive outlook, turning obstacles into opportunities for innovation and growth. Above all, their practice is **student-centered**, ensuring that all pedagogical and design choices are rooted in student learning and well-being. Ultimately, ISB educators embody our mission by demonstrating curiosity, courage, and empowerment in their lives, work, and professional growth.

ISB's ideal candidate combines deep subject expertise and strong pedagogy with humility, drive, and a positive disposition for supporting young learners.

We Believe

At ISB, we believe that education is a dynamic, creative, and collaborative human endeavor. We are seeking a passionate Middle School Science & Design Technology teacher to join our faculty and help students explore, investigate, and make sense of the world.

Our vibrant school environment thrives on the energy and dedication of our faculty. We seek educators who navigate diverse teaching responsibilities with ease and work closely with students, families, counselors, and administrators to foster a rich community of inquiry. Our teachers bring curiosity, creativity, and a commitment to collaboration to their work, designing meaningful learning experiences that support students' academic, social, and emotional growth.

Beyond the classroom, our educators support students in co-curricular programming, trips, activities, performances and are available to support and celebrate their growth and development as they strive to reach their full-potential.

Position Overview

The Middle School Science & Design Technology teacher will help students explore, investigate, and make sense of the world through their in-depth knowledge and understanding of creativity - modeled, taught and supported through a range of exciting and engaging classroom activities. Teaching three sections of Design Technology and two sections of Science, the Middle School Science & Design Technology teacher will have a unique opportunity to help students bridge scientific concepts with authentic, real-world application. The ideal candidate is excited to share their passion and demonstrated expertise across the following areas:

- Deep scientific knowledge and understanding
- Connecting authentic contexts with scientific concepts to engage students and make meaning
- Embedding STEM skills into science units and learning
- Designing learning experiences and assessments that focus on the application of skills in rich contexts (PBL approach)
- Guiding students in taking projects from concept to reality using the Design Cycle and Design Thinking Methodology
- Teaching technical and design skills with a range of methods, including: 3d printing, laser cutting, 3D modeling software, CNC, woodwork, and metal & plastic fabrication.
- Providing critical feedback to students about their ideas and prototypes
- In-depth understanding of creative processes—modeling, teaching, and supporting creativity through engaging classroom activities
- Supporting the student's documentation of ideas, research and prototypes throughout the design process
- Developing students' problem solving skills
- Identifying and differentiating for a range of readiness levels within a class, including providing additional challenges for students ready for it.
- Experience with Lego Robotics is an added bonus.

Required Qualifications

- A bachelor's degree from an accredited college or university
- A valid teaching license for middle school years, in a related subject area.
- Subject expertise in at least one of the primary areas of the positions and experience teaching all required subject areas..
- At least 3 years of experience teaching middle school students.
- Demonstrated skill at differentiating within the classroom for students of mixed abilities.
- Experience with Standard-Based Grading
- Experience designing units with UBD - 'Understanding by Design' is an advantage
- Have experience using data to inform instruction through a Professional Learning Community (PLC)

Preferred Qualifications

- Experience teaching IB and/or AP
- Experience teaching a standards-based curriculum using the Common Core Standards

Pedagogical Practice requirements

- Has an Inquiry-based approach to teaching and learning
- Ability to adapt teaching to the context
- Highly Skilled in using a varied pedagogical and assessment toolkit
- Can challenge and extend all learners
- Can integrate the teaching of skills to prepare students for life beyond the classroom
- Identifies, selects, and utilizes instructional resources to meet the needs of students with varying backgrounds, learning styles, and special needs.
- Uses data to improve learning

Mindsets and Dispositions

- Cares for students
- Commitment to the Social and Emotional Learning (SEL) of students.
- Strong work ethic
- Contributes positively to the culture of the school
- Strong and effective communication skills
- Open-minded and adaptable
- Demonstrates growth-mindset and passion for lifelong learning
- Culturally competent
- Reflective on their practice

Core Responsibilities

- Teach assigned Middle School Science & Design Technology courses.
- Develop students' disciplinary thinking, critical inquiry, research, analysis, problem-solving, and communication skills.
- Utilize varied assessments and student data to monitor progress, adapt instruction, and provide timely, actionable feedback.
- Integrate appropriate technology and contemporary resources to enhance learning and connect classroom concepts with real-world contexts.
- Partner with counselors, administrators, and parents to support students' academic achievement and social-emotional well-being.
- Chaperone local/international trips and fulfill assigned supervision duties.
- Maintain professional obligations, meeting deadlines, and honoring schedules.
- Strictly uphold ISB standards of integrity, respect, and care.
- Serves as an Advisor in the Middle School Advisory Program.

- Collaborate as an effective member of high school teams (PLC, Department, Grade Level, etc.)
- Positively contribute to school culture through the support and sponsorship of a student club or non-stipended extracurricular activity.
- Participates in professional development training and attends required presentations.
- Meets professional obligations through efficient work habits such as meeting deadlines, honoring schedules, and working with colleagues.
- Ensures student growth and achievement is continuous and appropriate for age group, subject area, and /or program classification.
- Provides a positive and safe environment in which students are encouraged to actively engage in the learning process.
- Strictly uphold ISB expectations for child safeguarding and student well-being.
- Performs other duties and responsibilities as assigned by the supervisor.

Application Details

Interested candidates should complete the online application (www.isb.ac.th/job-opportunities) at the earliest opportunity and before the deadline of **February 1, 2027.** Search Associates candidates need **only** apply through the Search Associates platform, and finalists will be invited to complete the secondary screening via TruFit Talent. All other applicants can apply directly through TruFit Talent using the link provided in the vacancy announcement on the school website.

Please note that if an outstanding applicant is identified early in the search process, ISB reserves the right to make an appointment prior to the deadline.

Compensation and Benefits

ISB provides a competitive compensation and benefits package that is commensurate with the candidate's experience and aligned with global international school standards. Benefits provided to the employee and up to two dependent children.