

NSSTC 2026

CONCEPT NOTE

National Science & STEM Teachers Conference

Reimagining how Bangladesh teaches science.

DATE	Friday, 10 July 2026
TIME	08:30 – 17:00
VENUE	Daffodil International University (DIU)
ADDRESS	Daffodil Smart City (DSC), Birulia, Savar, Dhaka–1216
PARTICIPANTS	150 selected science teachers nationwide
REGISTRATION	Free · by nomination / selection

A one-day national conference convening secondary school science teachers, head teachers, scientists, education researchers and policy stakeholders to advance modern, inquiry-based science teaching across Bangladesh.

ORGANISED BY

Bangladesh Freedom Foundation (BFF) · Daffodil International University (DIU) · Human Resource Development Institute (HRDI) · Daffodil International Professional Training Institute (DIPTI)

01 · BACKGROUND

Why Bangladesh needs a teacher-first reset of science education

Science education sits at the heart of Bangladesh's ambitions for an innovation-led economy. Yet many classrooms still rely on rote learning, with limited hands-on experimentation, weak links to real-world applications and few opportunities for teachers to upgrade their craft. NSSTC 2026 puts the secondary school science teacher at the centre of a national conversation about how to change that — practically, affordably and at scale.

02 · THEME

Empowering teachers to inspire the next generation of scientific minds.

The conference theme reframes science teaching as an act of inspiration. Through keynotes, hands-on labs, a renowned science storyteller and a forward-looking presentation on emerging frontiers, the day equips teachers with both pedagogy and the imagination to bring science to life in their classrooms.

03 · GENERAL OBJECTIVE

A national platform for modern science teaching.

To create a national platform for science teachers to enhance their pedagogical skills, exchange innovative classroom practices, and engage with scientists, educators and researchers — strengthening the long-term ecosystem of school science in Bangladesh.

04 · SPECIFIC OBJECTIVES

What every participating teacher takes back to their school.

- Promote modern, student-centred science teaching.
- Strengthen inquiry-based and project-based learning.
- Introduce practical lab and demonstration activities.
- Improve science communication and classroom engagement.
- Connect classroom science with real-world applications.
- Foster collaboration between schools, universities and researchers.
- Encourage science clubs, fairs and STEM extracurriculars.

05 · TARGET PARTICIPANTS

150 educators across the secondary school ecosystem.

Selection is prioritised for practising classroom teachers, with seats reserved across the following roles:

- Science teachers
- Head Masters
- Academic coordinators
- Science club moderators
- Curriculum developers
- Teacher trainers
- Education officers
- STEM advocates

06 · PROGRAMME OUTLINE

Full one-day agenda - 08:30 – 17:00

08:30 – 09:00	Registration and networking
09:00 – 09:30	Opening ceremony
09:30 – 10:15	Keynote address The Future of Science Education in Bangladesh
10:15 – 10:30	Open discussion
10:30 – 10:45	Tea break
10:45 – 11:30	Session 1 Understanding how students develop scientific thinking · Professor of Science Education / Educational Psychologist <ul style="list-style-type: none"> • Scientific literacy in the 21st century • Critical thinking & problem-solving • Inquiry-based learning • Overcoming fear of science
11:30 – 12:30	Session 2 · Hands-on workshop Practical science teaching beyond the textbook · University faculty members <ul style="list-style-type: none"> • Physics, chemistry, biology demos • Earth & environmental activities • Low-cost laboratory activities • Student-centred investigations
12:30 – 13:30	Lunch & networking
13:30 – 14:15	Session 3 · Special lecture Science communication and storytelling in the classroom · Renowned science writer <ul style="list-style-type: none"> • Making science exciting • Stories that inspire learners • Teaching complex concepts through everyday examples

14:15 – 15:00	Session 4 · Inspirational presentation Emerging frontiers of science and technology · Scientist / researcher <ul style="list-style-type: none">• Space & astronomy• AI• Biotechnology• Climate science• Renewable energy• Future STEM careers
15:00 – 15:15	Tea break
15:15 – 16:15	School action planning · group work
16:15 – 16:45	Panel discussion · the way forward
16:45 – 17:00	Closing ceremony

07 · EXPECTED OUTCOMES & BENEFITS

Capacity, network and tangible support.

Professional capacity & skills

- Modern pedagogy training — Strengthen interactive, inquiry-based science teaching practices.
- Low-cost science experiments — Hands-on workshops using low-cost, locally-available materials.
- Digital literacy & tools — Integrate e-books, mobile learning and classroom digital tools.

Networking & collaboration

- National science teachers network — Join a long-term national peer network with online collaboration.
- Extracurricular frameworks — Launch and run school science clubs, fairs and quizzes.
- Action planning — Group work to draft a concrete roadmap for your institution.

Tangible benefits & logistics

- Travel allowance — TA provided to each of the 150 participating teachers.
- Conference kit & T-shirt — Official materials and event T-shirt for every participant.
- Food & refreshments — Full catering and refreshments throughout the day.
- Participation certificate — Official certificate on successful completion of the full programme.

08 · INNOVATION & RESOURCE EXHIBITION

A pop-up showroom of low-cost, classroom-ready ideas.

Running alongside the sessions, an open exhibition zone showcases teaching kits, lab demos, classroom programmes and partner resources teachers can take back to their schools:

- Low-cost physics & chemistry demonstration kits
- Biology investigation activities for a school courtyard

- Robotics, AI and microcontroller starter packs
- Climate science and renewable-energy teaching aids
- Science club programmes — fairs, debates, projects
- Publishers, NGOs and government partners with teacher resources

09 · BANGLADESH SCIENCE & STEM TEACHERS NETWORK (BSSTN)

From a one-day workshop to a lifelong professional community.

NSSTC 2026 formally launches BSSTN — a permanent network seeded from the conference cohort. Every nominated and alumni teacher gains long-term access to:

- Continuous professional development
- Resource sharing
- Collaborative projects
- University–school partnerships
- Annual science education conference
- Mentorship by scientists and university faculty
- Peer recognition and teaching awards
- Curriculum and assessment feedback to policymakers

10 · FREQUENTLY ASKED QUESTIONS

Quick answers for teachers and head teachers.

Who is eligible to attend?

Secondary school science teachers, head teachers, academic coordinators, science club moderators, curriculum developers, teacher trainers, education officers and STEM advocates. Priority is given to practising classroom teachers.

Is there a registration fee?

No — registration is free for selected participants. Seats are limited to 150 teachers and reviewed in batches.

Will I receive a certificate?

Yes. Every teacher who completes the full-day programme receives an official participation certificate, jointly issued by the organising partners.

What is provided on the day?

An official conference kit, event T-shirt, all session materials, and full catering — breakfast, lunch and tea breaks — throughout the day.

How do I nominate a teacher from my school?

Head Masters and academic coordinators can submit a registration on behalf of a staff member through the registration form below, selecting 'Head Master' as your role and adding the nominated teacher's details in the motivation field.

Is a travel allowance provided?

Yes. Each of the 150 participating teachers is allocated a travel allowance (TA) to cover their transportation costs.

When and where is the conference?

Friday, 10 July 2026, at Daffodil International University (DIU), Daffodil Smart City (DSC), Birulia, Savar, Dhaka-1216. Registration opens at 08:30 and the programme runs until 17:00.

11 · GET INVOLVED

Nominate · attend · partner.

Full programme details, the registration form and partner information are published at <https://bsdi-bd.org/nsstc>. For nominations from your school, head teachers can register on behalf of staff via the conference website.