CURRICULUM NIGHT

Science Department

Welcome, families of students in Grades 8–12



Saint Thomas Aquinas Secondary School • Oakville, Ontario

QUALITIES OF THE SCIENCE TEACHERS OF STA



- Engaging
- Deep knowledge and passion for Science
- Ability to build a very safe and caring environment with their students
- Are capable to reach all learners and to differentiate instruction

Science Department



Ms. C. Almeida

TEACHING SPECIALTIES

Chemistry • Physics • Grade 9 & 10 Science

SCIENCE AT STA

Ultimate Frisbee and The Indigenous Education Champion for STA.

Science Department



Ms. L. Balogh

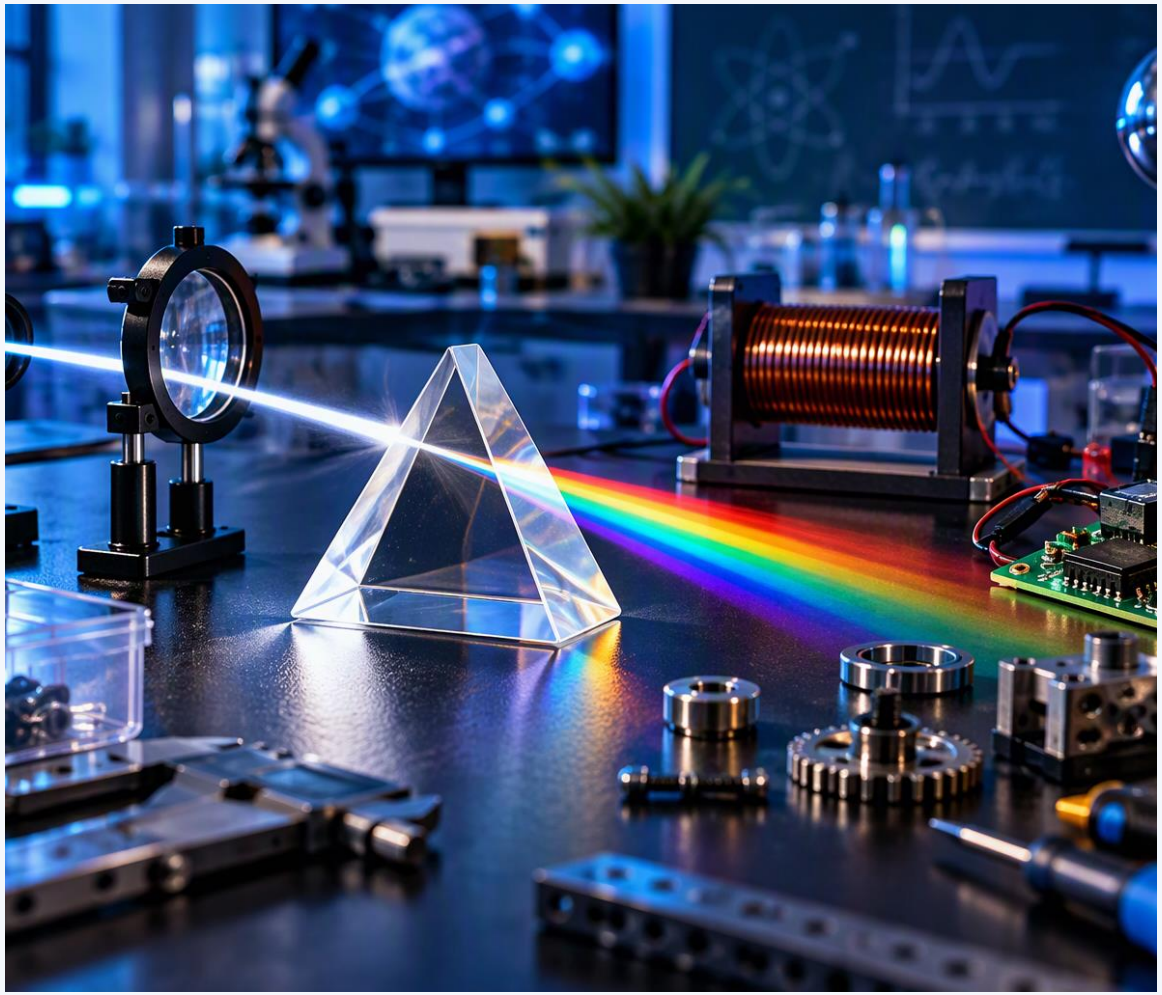
TEACHING SPECIALTIES

Chemistry • Physics • Grade 9 & 10 Science

COACH / SUPERVISOR

Jr. Girls Field Hockey • Book Club

Science Department



Mr. A. Finelli

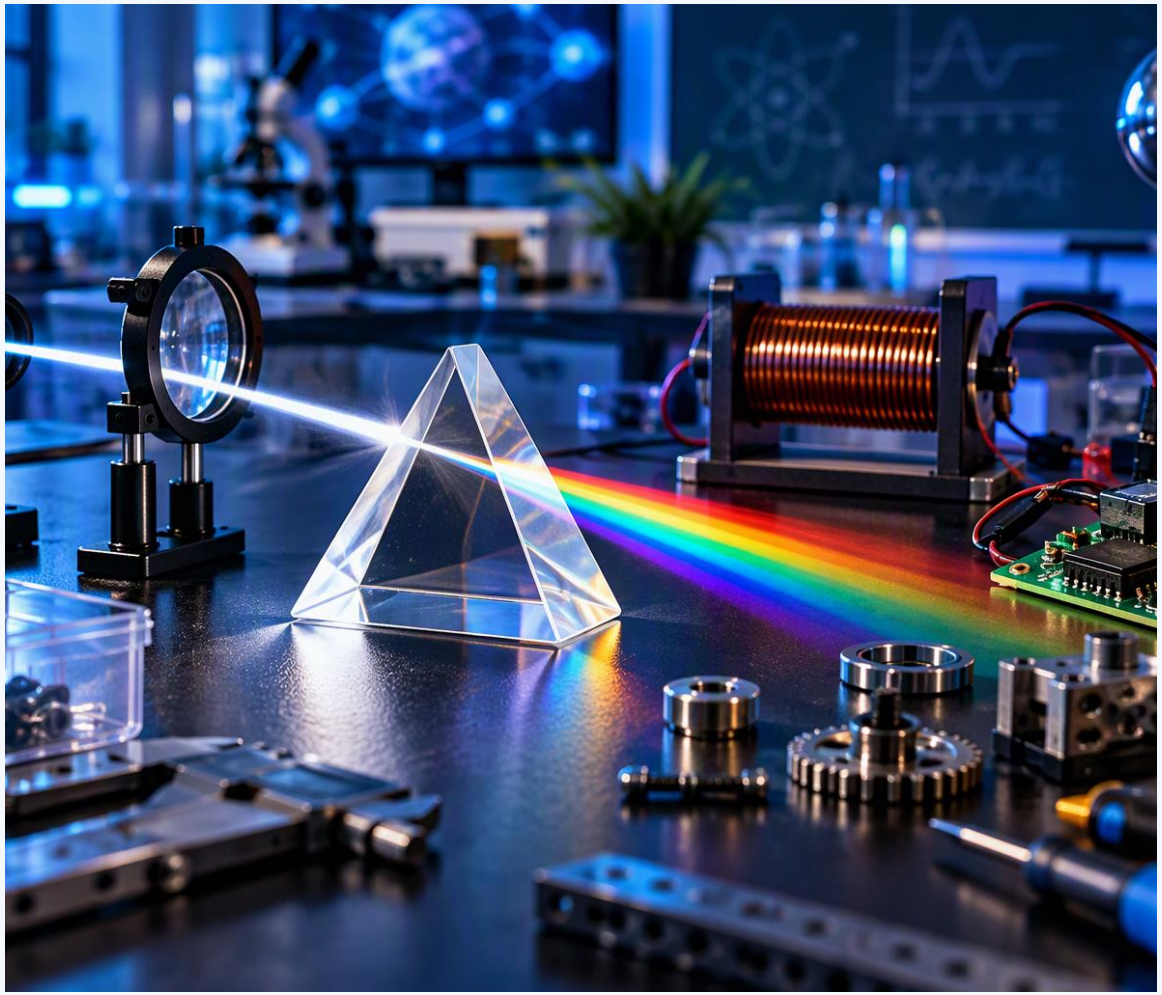
TEACHING SPECIALTIES

Biology • Grade 9 & 10 Science

COACH / SUPERVISOR

Baseball • Cross Country • Track & Field

Science Department



Mr. B. Fraser

TEACHING SPECIALTIES

Biology • Grade 9 & 10 Science

COACH / SUPERVISOR

Senior Boys Soccer

Science Department



Ms. L. Jasmin

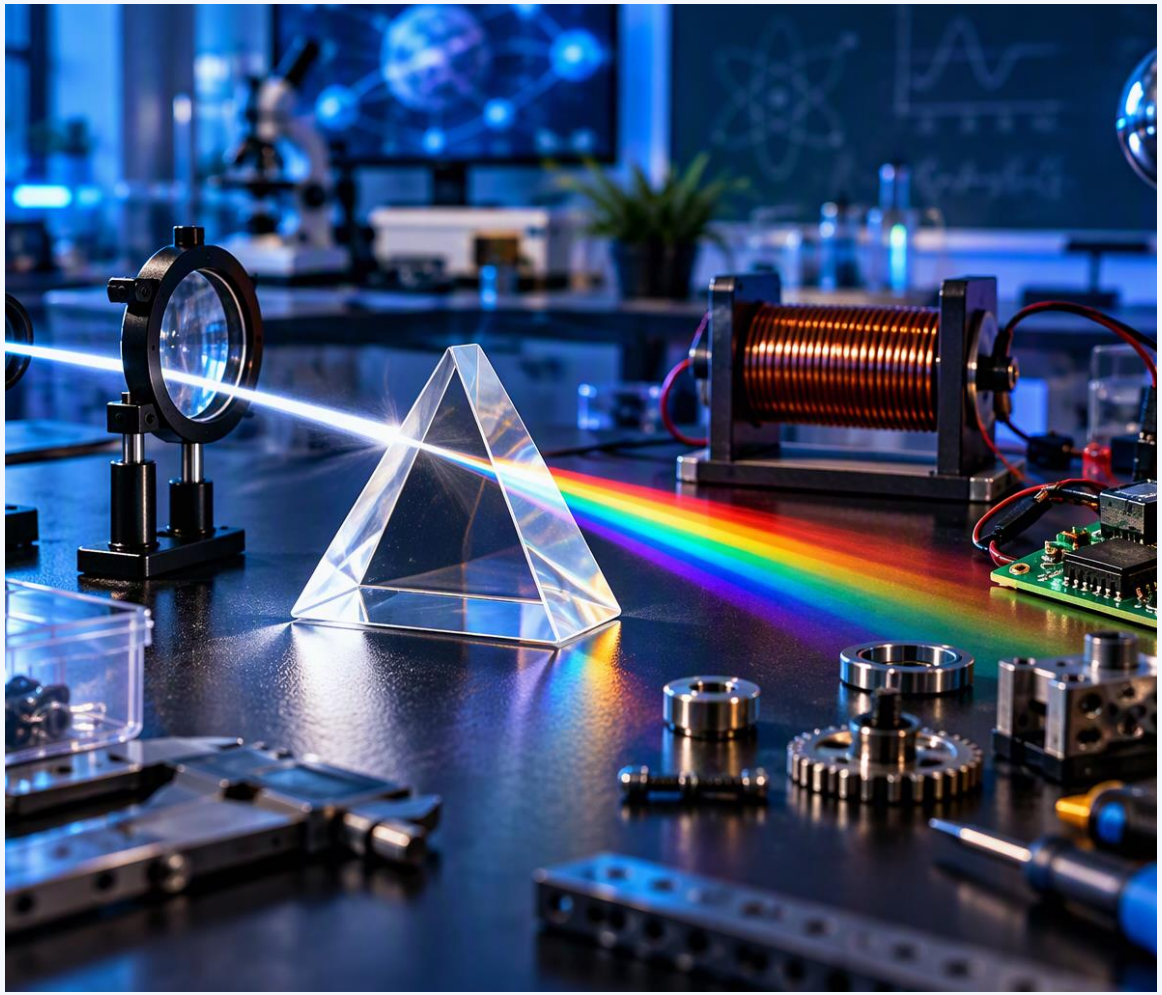
TEACHING SPECIALTIES

Chemistry • Grade 9 & 10 Science

COACH / SUPERVISOR

Cross Country • Mentors

Science Department



Ms. J. Kam

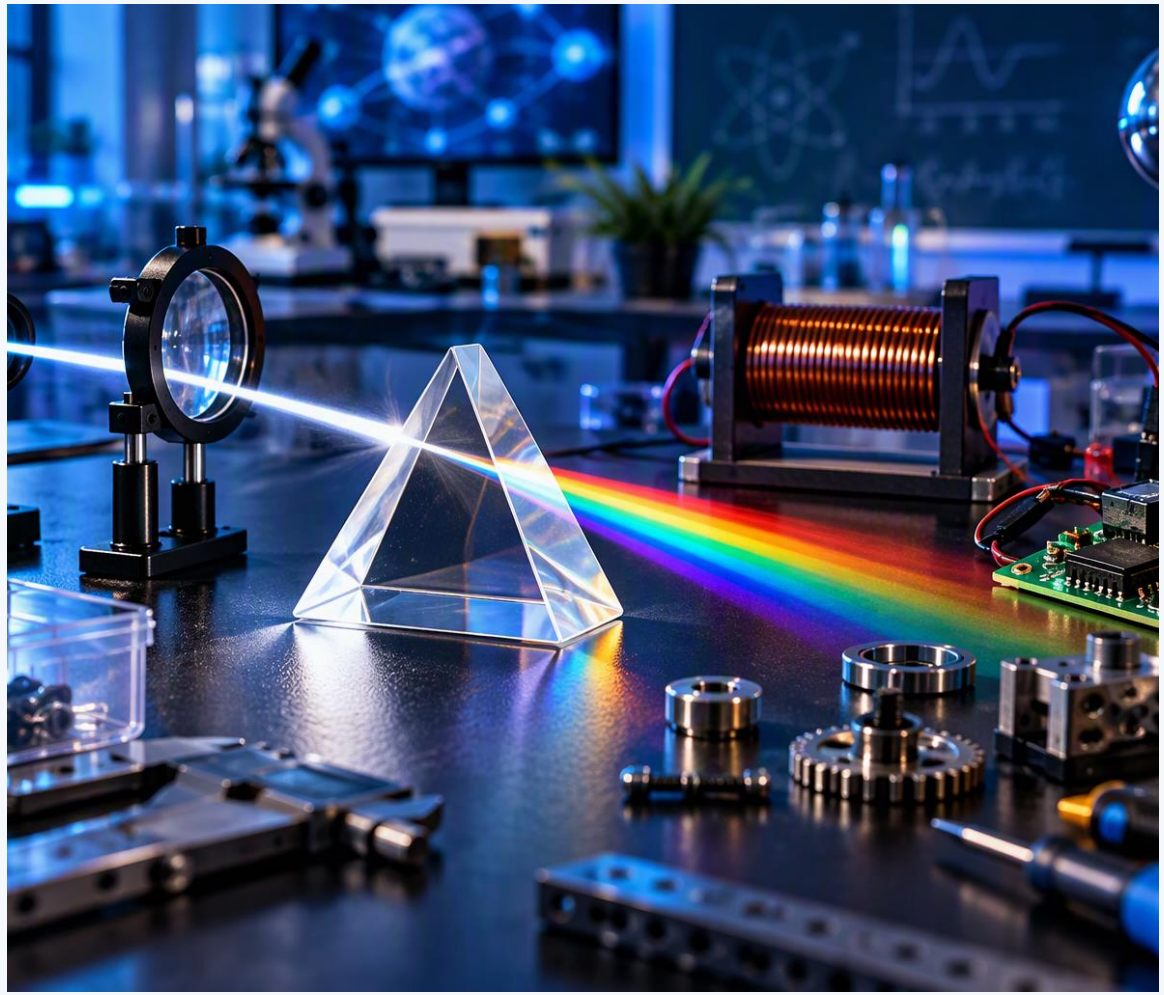
TEACHING SPECIALTIES

Biology • Grade 9 & 10 Science

SCIENCE AT STA

Junior Girls Field Hockey.

Science Department



Ms. S. Merrick

TEACHING SPECIALTIES

Biology

SCIENCE AT STA

Cross Country
Swimming
Rugby
Touch Football
Sports SHSM Lead
Outdoor Ed Staff Supervisor

Science Department



Ms. O. McLean

TEACHING SPECIALTIES

Biology • Chemistry • Grade 9 & 10 Science

COACH / SUPERVISOR

Softball

Science Department



Mr. P. Moore

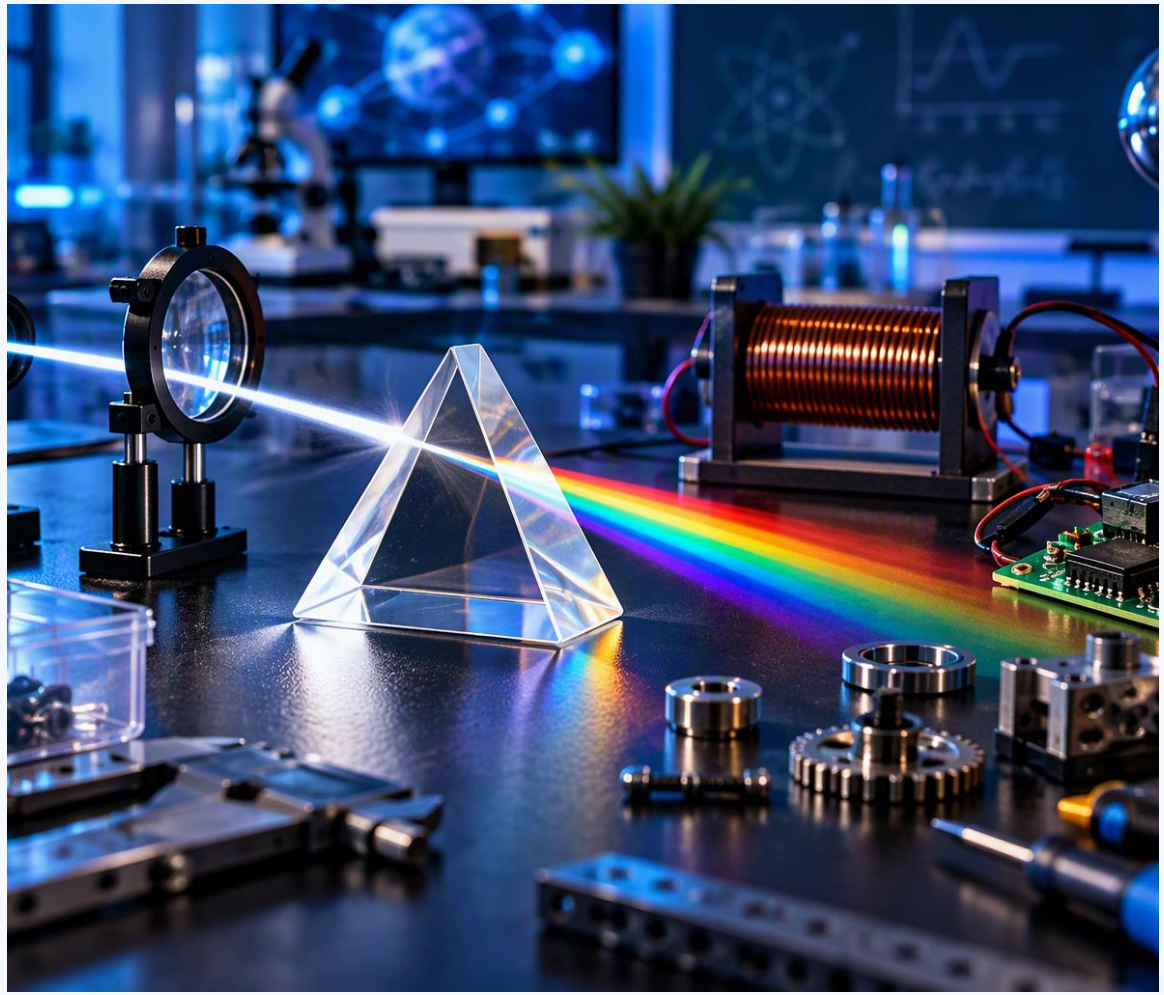
TEACHING SPECIALTIES

Physics

COACH / SUPERVISOR

Engineering Club • STA Faith & Reason Club • Curling Club

Science Department



Ms. A. Sestili

TEACHING SPECIALTIES

Biology • Grade 9 & 10 Science

SPORTS THIS SEMESTER

Junior Girls Basketball this semester

Science Department



Mr. R. DiDiodato

TEACHING SPECIALTIES

Chemistry

ROLE / LEADERSHIP

Department Head of Science

Our Labs:

Are well equipped with state-of-the lab equipment and material such as:

§ Glass-ware and Molecular Model Kits

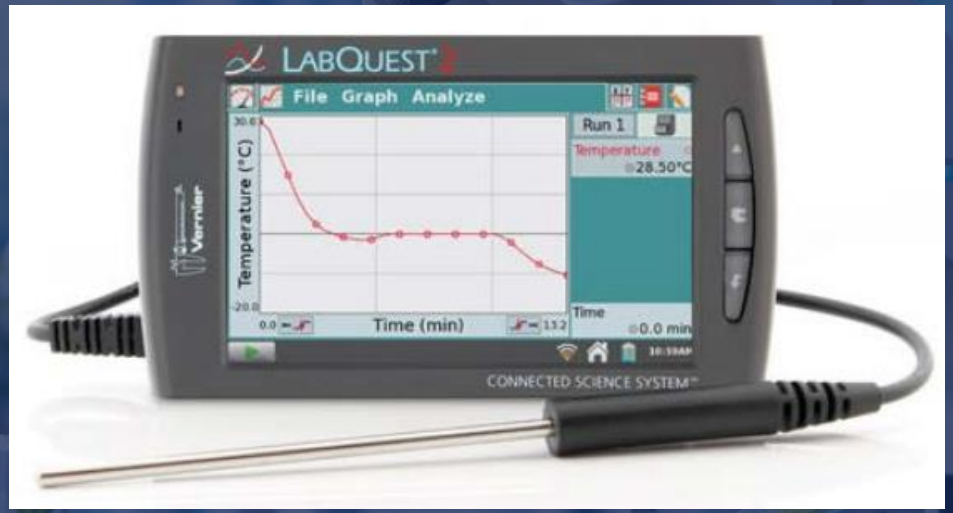
§ Dissection specimens for grades 10 to 12

§ Electricity equipment (Grade 9 Curriculum)

§ Optics (Grade 10 Science Curriculum)

§ Chemicals to perform a multitude of experiments

Students will be given the opportunity to use Probe ware in Senior grades and IB:



The interface collects and help students analyze scientific data
The Interface and probes can be used to measure:

1. pH
2. Temperature
3. Light
4. Gas pressure

GRADE 9 SCIENCE • SNC1W

Ontario Curriculum Expectations

De-streamed Grade 9 Science • Ministry of Education curriculum issued 2022

A • STEM Skills, Careers & Connect

- Scientific research and experimentation
- Engineering design, coding and safe practices
- Applications, careers and scientific literacy

B • Biology

- Sustainable ecosystems and climate change
- Matter cycling, energy flow and ecosystem balance

C • Chemistry

- The nature of matter
- Atomic structure, periodic table, elements and compounds

D • Physics

- Principles and applications of electricity
- Static/current electricity, circuits and electrical energy

E • Earth & Space Science

- Space exploration
- Solar system, universe, the Sun and observable phenomena

NEW FOR 2026–2027

How Final Science Marks Are Calculated

Ontario secondary assessment and evaluation requirements • Grades 9–12

GRADES 9 & 10

- 65% classroom work throughout the course
- 20% mandatory final evaluation, including a written exam in most courses
- 15% attendance and participation

GRADES 11 & 12

- 65% classroom work throughout the course
- 25% mandatory final evaluation, including a written exam in most courses
- 10% attendance and participation

Written final exams are scheduled during the designated examination period. Course-specific details are communicated in the course outline.

ATTENDANCE & PARTICIPATION

What the New Component Means

Regular attendance, punctuality and active participation are part of the final course grade.

ATTEND & ARRIVE READY

- Attend class regularly
- Arrive on time and prepared
- Report absences through school procedures

PARTICIPATE IN LEARNING

- Engage in classroom learning and course activities
- Use opportunities to demonstrate understanding
- Receive and act on timely feedback

EXCUSED ABSENCES

- Excused absences do not negatively affect the final grade
- Examples may include illness, unavoidable circumstances, cultural days and holy days

Families are encouraged to communicate with the school when circumstances affect attendance or assessment completion.

WELCOME TO STA SCIENCE

Questions? Please connect with a member of the Science Department tonight.

Grades 8–12 • Curriculum Night