



**SJCJC PLACEMENT EXAMS  
SATURDAY, OCTOBER 28, 2023  
PROCEDURES & GUIDELINES**

**FOR ALL JANUARY 2024 APPLICANTS:**

As part of the admission process to St. John's College Junior College (SJCJC), we share with you relevant information about the English and Math Placement Exams scheduled for October 28, 2023 on the Landivar Campus on Princess Margaret Drive, Belize City.

The SJCJC Placement Exams assist our college in determining whether you are eligible for college-level English and Math courses or will need remedial courses in one or both subject areas upon admission. **Please note that not taking the placement exams results in automatic placement in remedial English and Math courses.**

On exam day, kindly bring along the following items:

- Pencil/s appropriate for shading of multiple-choice answer sheets
- Pen/s for essay-writing
- Photo ID (passport, social security card, high school ID, or driver's license)

**Your photo ID will be checked by the exam room supervisor, who will not allow you to proceed with the exams without an ID.** Furthermore, cell phones will need to be turned off and placed in your bag at front of the exam room; Smart watches are also not allowed.

Finally, for applicants who indicate **Biology/Chemistry, Interdisciplinary Science, Pre-Nursing, or Pre-Engineering** as their first track of choice on their application, please note that you are also required to take a **Chemistry Placement Exam**.

In closing, we provide you with guidelines and topics to assist your exam preparations and encourage you to contact the Office of Admissions and Enrollment at 223-3731 or by email at [admissions@jc.sjc.edu.bz](mailto:admissions@jc.sjc.edu.bz) with any questions you may have.

Sincerely,

L. McCoy (Ms.)  
Director of Admissions and Enrollment, SJC

### **ENGLISH PLACEMENT EXAM (8:00 am – 9:30 am)**

The exam will consist of **TWO** sections as follows:

#### **PART I**

This section assesses students' ability to derive meaning from a range of reading passages and to determine the meaning of words and phrases in short and extended contexts. The section consists of the following content domains:

- Synonyms
- Sentence Completion
- Equivalent Sentences
- Rhetoric
- Vocabulary
- Error Recognition

#### **PART II**

The second component will require students to compose a 350-word essay based on given prompts. Students will write ONE essay based on a single, selected prompt. The essay will be scored using the following criteria:

- Purpose and Focus
- Organization and Structure
- Development and Support
- Sentence Variety and Style
- Grammar, Mechanical Conventions and Spelling
- Critical Thinking

### **MATH PLACEMENT EXAM (9:45 am – 10:45 am)**

The exam will consist of 40 multiple choice questions to be answered in 60 minutes. A calculator will NOT be allowed for this exam. Below is a list of review topics to assist your preparation:

#### **Unit 1 - Number Theory**

- Real number system; classification of numbers
- Properties of real numbers
- Order of arithmetic operations and rules of sign
- Finding LCM and GCF of real numbers
- Operations with positive integers
- Fractions and decimals

#### **Unit 2 - Directed Numbers**

- Further operations with integers, fractions, and decimals
- Complex fractions

**Unit 3 - Algebra**

- Introduction to terminology and notation
- Operations with algebraic expressions (addition and subtraction)
- Laws of exponents
- Multiplication and division of algebraic expressions

**Unit 4 - Factoring**

- Common monomials
- Special products

**Unit 5 - Algebraic Fractions**

- LCM and GCF of algebraic expressions
- Complex algebraic fractions
- Stating domain

**Unit 6 - Graphing**

- Ordered pairs
- Linear functions and their graphs
- Standard and slope intercept forms
- Equations and their solutions graphically

**CHEMISTRY PLACEMENT EXAM (11:00 am – 12:00 noon)**

The exam consists of 45 multiple choice questions to be answered in 60 minutes. In addition to pens/pencils and a photo ID, you will need a calculator. A copy of the Periodic Table will be provided to you.

Below is the list of review topics in preparation for the exam:

- Mole concept
- Formulae of ionic and covalent compounds
- Balancing chemical equations and types of chemical equations
- Redox Reactions
- Oxidation numbers
- Sub-atomic particles and isotopes
- States of matter and classification
- Periodic table
- Properties of metals and ionic compounds
- Solubility rules and activity series
- Physical and chemical properties and change
- Electronic configuration
- Acids and bases
- Rates of reaction

- Separation of mixtures
- Lab apparatus
- Electrochemistry
- Thermochemistry