

## MYP Proficiency Requirements

### Middle Years 3 (Grade 8)

#### 1. MYP3- Math Proficiency Requirements

Regarding mathematics, the MYP3 candidate student is expected to:

- Solve mathematical problems in familiar and unfamiliar situations
- Solve math word problems (real life applications)
- Generate mathematical formulas using the skill of recognizing patterns (numerical, geometrical, ...)
- Use appropriate mathematical language in written statements using correct terminology that guarantees communicating coherent mathematical lines of reasoning.

#### Math Required Topics:

- Performing operations using powers
- Performing order of operations, powers included
- Prime numbers
- Finding prime factorization of numbers
- Finding HCF and LCM of two or more numbers
- Solving real life applications of powers, GCF, HCF
- Congruent triangles: Defining CT | Proving two triangles are congruent | Writing homologous element of congruent triangles
- Signed Numbers: Defining Signed numbers | Adding, subtracting, multiplying and dividing signed numbers using number line | Solving word problems about signed numbers | Using Order of Operation for signed numbers
- Parallel Lines: Proving that two lines are parallel, defining alternating and corresponding angles
- Using Coordinate system for locating points
- Checking if two quantities are proportional
- Algebraic Expressions (AE): Defining & reducing AE | Multiplying and factoring AE

#### 2. MYP3- English Proficiency Requirements

Using several visual, oral, or auditory age-appropriate prompts, the MYP3 candidate will:

- Read a text/paragraph aloud & respond to written comprehension questions
- Listen to and reflect on a global issue & discuss thoughts and ideas with the interviewer(s)
- Within 60-minutes, write age appropriate essay based on the prompt

To perform the above, the candidate must make best employment of the following: Organization | Sentence Fluency | Word Choice | Conventions *including: types of verbs, types of nouns and pronouns, proper use of adjectives and adverbs, capitalization and punctuation* | Forming Questions.



Writing: Conventions | Writing process: *Brainstorming and Using diagrams to organize ideas*  
| Summarization & Paraphrasing | (*Introduction including Hook/Background Info./Thesis +*  
*Body Paragraphs including Topic Sentences/Major Details/Minor Details + Conclusion*  
*including restatement/Final thoughts*)

### 3. متطلبات مستوى الطالب الأكاديمي باللغة العربية - MYP3

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وتحديد نمط النص ومؤشراته، مع تدعيمها بشواهد من النص.  
الاستماع إلى مقطع فيديو يعرض حقيقة عالمية للنقاش فيها ومعرفة مختلف آرائه وأفكاره في هذه القضية.

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