

## IB MYP Geometry Year Plan 2021-22

| Dates          | Unit Title  | Key and Related Concepts                               | Global Context                      | Inquiry Statement   | Criterion/ Strands                    | SOL  | Learner Profile Focus | ATL Skills                 | Assessment Type              |
|----------------|---|--|-------------------------------------|---|---------------------------------------|--|-----------------------|----------------------------|------------------------------|
| Sept. (16 hrs) | Construction Zone Ahead   | Form; Representation, Measurement, and System          | Orientation in Time and Space       | The underlying structure of geometry requires a timeless system of consistent representation of vocabulary in one's environment, and measurement using tools of the geometer. | A - All<br>C - All                    | G.4<br>a, b, f   | Open-minded           | Communication and Thinking | Test Vocabulary project      |
| Oct. (16 hrs)  | Slippery slopes   | Relationships, Change, Justification, and Model        | Scientific and technical innovation | Slope models relationships and changes between lines using justification of scientific principles   | A(all)<br>B(iii)<br>D (all)           | G.2,<br>G.3,<br>G.4  | Inquirers             | Self-management            | Test and Project             |
| Nov. – Jan.    | Triangles (fundamentals, right, congruent, similar, logic, transformations) | Logic; Change, Equivalence, Justification, and Pattern | Personal and cultural expression    | Through logic and justification, changes in polygons follow patterns aesthetically appreciated by different cultures.   | A all<br>B all<br>C i, iv, v<br>D all | G.1,<br>G.3,<br>G.4,<br>G.5,<br>G.6,<br>G.7,<br>G.8,<br>G.10 | Knowledgeable         | Research and Thinking      | Test, Investigations, Proofs |
| Feb.           | Quadrilaterals: Square Dancing  | Relationships; Generalization Justification Model      | Identities and relationships        | Identities model and justify generalized relationships  |                                       | G.9  | Communicators         | Social                     |                              |

|              |                                     |                                      |   |                            |  |               |             |          |  |
|--------------|-------------------------------------|--------------------------------------|---|----------------------------|--|---------------|-------------|----------|--|
|              |                                     |                                      |   | between<br>quadrilaterals. |  |               |             |          |  |
| Feb/<br>Mar. | Circles                             | Form; Quantity<br>and Space          | Scientific and<br>technical<br>innovation |                            |  | G.11,<br>G.12 | Reflective  | Thinking |  |
| Mar.         | Area, Volume,<br>and Similar Solids | Relationships;<br>Space and<br>Model | Globalization<br>and<br>sustainability    |                            |  | G.13,<br>G.14 | Risk Takers | Research |  |

*Please designate the units which are INTERDISCIPLINARY (\*) and which provide opportunities for SERVICE/ACTION INQUIRY(\*\*). Details will be found in your Unit Planners.*