**Grade 6 – Geometry – Location & Movement**

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| **Assessment Category** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Knowledge and Understanding**  **The student…** |  |  |  |  |
| - demonstrates an understanding of a coordinate grid | Limited  Knowledge | Some  Knowledge | Considerable  Knowledge | Thorough  Knowledge |
| - demonstrates an understanding of 90 and 180 rotations |
| - reflects, translates and/or rotates shapes in relation to a given point |
| **Thinking**  **The student…** |  |  |  |  |
| - selects a variety of tools to identify and/or perform rotations (e.g. protractors, coordinate grids, miras) | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree of Effectiveness |
| - analyses designs made by reflections, translations and/or rotations |
| – uses problem solving skills |
| **Communication**  **The student…** |  |  |  |  |
| - explains how a co-ordinate system presents location | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree of Effectiveness |
| - communicates using a variety  of modes (short answers,  lengthy explanations, verbal reports, diagrams, numerically) |
| - uses appropriate vocabulary  and terminology (e.g. rotation, translation, reflection, axis, clockwise, counterclockwise) |
| **Application**  **The student…** |  |  |  |  |
| - applies knowledge and skills about co-ordinate system to in-class assignments | Limited  Effectiveness | Some  Effectiveness | Considerable  Effectiveness | High Degree  Of Effectiveness |
| - transfers knowledge and skills about location and movement to in-class assignments |
| - makes connections between a variety of real life situations where motion geometry occurs |