**EMERALD ROYAL INT’L SCHOOL**

**LESSON PLAN/NOTE FOR WEEK 5 ENDING: 2ND JUNE, 2023**

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| **Term** | | 3rd | | |
| **Week** | | 5 | | |
| **Class** | | SS2 | | |
| **Date** | | 31/05/2023 | | |
| **Subject** | | Data Processing | | |
| **Topic** | | Object Transformation | | |
| **Sub-Topic** | | Object shaping and text kerning | | |
| **Period** | | 12th | | |
| **Time** | | 2:00 – 2:40 | | |
| **Duration** | | 40minutes | | |
| **Number in class** | | 4 | | |
| **Average age** | | 15years | | |
| **Sex** | | Mixed | | |
| **Specific Objectives** | | By the end of the lesson, students should be able to:   1. Shape objects 2. Kern texts | | |
| **Rationale** | | To enable students know how to shape objects and kern texts | | |
| **Previous knowledge** | | Students have been taught object transformation in their previous lesson | | |
| **Instructional material** | | Computer set, CorelDraw Software | | |
| **Reference** | | Data Processing for Senior Secondary Education (SS1 – 3) by Hiit Plc | | |
| **STEPS** | **TEACHER’S ACTIVITIES** | | **STUDENTS’ ACTIVITIES** | **LEARNING POINTS** | |
| Introduction | The teacher introduces the lesson by asking the students to explain the meaning of object transformation. | | Students participate in the class discussion. | To arouse the students interest for the lesson. | |
| Step I | *The teacher explains object shaping as thus:*  **Editing Artistic Text with the Shape Tool**  When artistic text is selected with the Shape tool, you’ll see a small white character node below each character. With the Shape tool, you can use this node to manipulate each character separately. For example, you can drag nodes to move letters out of place.  Or, when a node is selected you can use the horizontal or vertical offset fields in the Property Bar, or you can adjust the angle. You can assign colors to individual characters or change the font or size. | | Students listen as the teacher explains. | For proper understanding of the lesson | |
| Step II | *The teacher explains kerning as thus:*  kerning is the process of adjusting the spacing between [characters](https://en.wikipedia.org/wiki/Character_(symbol)" \o "Character (symbol)) in a [proportional font](https://en.wikipedia.org/wiki/Typeface" \l "Proportion" \o "Typeface), usually to achieve a visually pleasing result. Kerning adjusts the space between individual [letterforms](https://en.wikipedia.org/wiki/Letterform" \o "Letterform) while [tracking](https://en.wikipedia.org/wiki/Letter-spacing" \o "Letter-spacing) (letter-spacing) adjusts spacing uniformly over a range of characters.  IMG_256  Kerning is simply the spacing between characters.  IMG_256  To make changes to multiple characters, you can marquis-select their character nodes, or hold down the Shift key while selecting the nodes of the characters you want to change.  IMG_256  While the Shape tool is still active:   1. use the icon in the bottom right corner to adjust the kerning, which is the spacing between characters. 2. if you hold the SHIFT key while dragging the same icon, you can adjust the word spacing. 3. Use the icon in the bottom left corner to adjust the spacing between lines.   IMG_256  In this example, through all of these changes, the three lines of text have remained a single artistic text object. But say you want to make changes to each line separately.  With the text selected with either the Pick or Shape tool, the Object menu has an option to break apart artistic text, and the shortcut for breaking apart is Ctrl +K. Now there are three separate lines, and each can be changed on its own.  IMG_256  Pressing Ctrl + K with one text line selected breaks the line into individual characters. Now each character can be changed, and you can shear or skew letters.  IMG_256  If you want to do some serious character editing, you can change text to curves by pressing Ctrl + Q. Now you can use the Shape tool to move nodes around, or make nodes smooth, double-click to add nodes, etc.  IMG_256  If you convert an entire line of artistic text to curves, then ungroup and edit with the Shape tool, you’ll get a huge supply of nodes to edit.  IMG_256 | | Students pay attention to the teacher’s explanation and ask questions where necessary. | To ensure all students are carried along. | |
| Summary | *The teacher sumarizes the lesson as thus:*  Converting Artistic Text to Paragraph Text (and Vice-Versa)  You can right-click on paragraph text and convert it to artistic text. You’ll have the same editing options, and the text is no longer bounded by a text frame.  Similarly, you can convert artistic text to paragraph text. A rectangular text frame is added, which you can resize to change the lines. | | Students pay attention and copy the note into their exercise books. | For reference purpose | |
| Evaluation | The teacher asks the students to explain the ways in which texts can be shaped. | | Students answer the question orally | To ascertain the students level of understanding of the lesson | |
| Conclusion | The teacher corrects the students where necessary. | | Students take note of the correction(s) made. | To ensure proper understanding of the lesson | |
| Assignment | The teacher gives the following assignment:   1. Describe how to carryout text kerning. | | Students copy the assignment in their exercise books | To encourage studying at a home. | |



25/5/2023

Principal Head Instuctor