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| **NC Yr:** 6  **Date:** 9/2/11 | **Texts and Resources:**  Textease Turtle PC programme  Resource sheet of instructions | **Key Vocabulary:**  Control, system, commands, directions, operations, forward. Reverse, left, right, programme, pattern, shape, instructions | | | | **Please use key to indicate use.**  **ICT:**  **IWB**-smartboard  **S**-ICT suite  **PC**-undividual act  **Learning Styles:**  **V**-Visual **A**-Auditory  **K**-Kinaesthetic |
| **Main Learning Objectives:**   * To understand control within ICT and its uses * To input commands to control the Textease Turtle * To present commands which can be followed using Textease Turtle | | | | | |
|  | **Whole Class Session Starter** | **Independent Activities**  (inc. teacher focus and any support staff) | | | **Plenary**  (inc. homework) | **Evaluation** |
| H.A. | A.A. | L.A. |
| **Thursday 3rd March** | Discuss control with the children. When might they have seen examples of control? Talk about examples such as traffic lights which repeat the same commands. Why is it important that they keep repeating? How do they think computers can help control systems?  Introduce Textease Turtle. Have any children used this before? Explain how to open the programme and create a new turtle. | The children will begin to use Textease Turtle and initially use the arrows as controls. Ask them to experiment with colours and directions as well as the pen down/up control. What happens if they repeat this? | The children will begin to use Textease Turtle and initially use the arrows as controls. Ask them to experiment with colours and directions as well as the pen down/up control. What happens if they repeat this? | The children will begin to use Textease Turtle and initially use the arrows as controls. Ask them to experiment with colours and directions as well as the pen down/up control. What happens if they repeat this? | Discuss how the same system used for Textease Turtle could be useful in an everyday situation. What do the children think? For prep they can research things which use control to operate to be discussed next lesson. |  |
| **Thursday 10th March** | Discuss what systems use control similar to Textease Turtle which was researched for homework. Children are to open the programme and create a new turtle ready for further instructions. Demonstrate using the IWB how the turtle can be controlled using commands rather than arrows. | The children will practice moving the turtle around the screen again creating patterns and shapes, this time using commands rather than arrows. Provide children with a sheet of commands. They must enter each one and write on the sheet the shape this command produces. | The children will practice moving the turtle around the screen again creating patterns and shapes, this time using commands rather than arrows. | The children will practice moving the turtle around the screen again creating patterns and shapes, this time using commands rather than arrows. | Children can save their pictures to their ICT folders. They may then show other children the commands they have created. |  |
| **Thursday 17th March** | Recap the activity from the previous lesson talk about the commands. Explain that they are going to be creating their own commands today. Explain that they can practice their shapes first and then write the instructions or they can make their shapes and write the instructions as they go along. | Children are to create a set of commands that others could follow to create a shape that the children have planned. Tell them to try and make the shapes interesting and different. | Children are to create a set of commands that others could follow to create a shape that the children have planned. Tell them to try and make the shapes interesting and different. | Children are to create a set of commands that others could follow to create a shape that the children have planned. Tell them to try and make the shapes interesting and different. | Children will save their instructions they have made on Microsoft word to their folders. They will leave their instructions open and then move around to another computer and follow the instructions to create the shape. |  |
| **Assessment:**  By the end of the week these pupils will be able to:- | **All:** Move the turtle around the screen to create patterns and shapes using the arrows  **Most:** Move the turtle to create patterns and shapes by entering commands  **Some:** Create and follow directions to create shapes and patterns using the turtle | | | | | |