

Short focused task in preparation for integrated tasks 4E and 4E alternative using Terry units at Level 3

Use level 3 for this activity

Short focused task

key idea: that the screen turtle obeys the same language commands as the floor turtle

technique: to type commands in immediate mode

Prepare a worksheet with a few simple sequences on it

These could include:

- forward 4, right 90, forward 4, left 90, forward 4, right 90; forward 4, left 90, forward 4, right 90, forward 4, left 90;
- forward 5, right 90, forward 5, right 90, forward 5, right 90, forward 5, right 90;
- right 90, forward 2, left 90, forward 2, left 90, forward 2, right 90, forward 2, right 90, forward 2;
- forward 3, right 120, forward 3, right 120, forward 3, right 120

Ask the children to predict what will appear on screen when these instructions are entered and give them a chance to work in pairs at the computer to test their hypotheses

Remind them to send the turtle 'home' before beginning each set of instructions

Short focused task

key idea: that instructions can be repeated

technique: to use the repeat command

Prepare a worksheet with a few simple repeat sequences including: repeat 4 [forward 4, left 90];

- repeat 3 [forward 5, right 120];
- repeat 6 [forward 3, right 60];
- repeat 10 [forward 2, right 36]

Discuss with the children their previous experiences with a repeated sequence and demonstrate the instruction: repeat 5 [forward 80, right 108]

Ask the children how many sides they think the shape will have

Type the instruction into the computer and show the children what happens

Using the prepared worksheet when the instructions are entered ask the children to predict what will appear on screen and give them a chance to work in pairs at the computer to test their hypotheses