Name: **Date:**

Year 2 Lesson 2-Bees2   ScRATcH   2.0

Resources – Scratch 2 application; Y2L2 Bees folder, which contains Y2L2 Bees2 Help Tutorial PR (hardcopy). It can be used for pupil evidence inside their Computing folder; pencil, to tick off each task on the Y2L2 Bees2 Help Tutorial PR, pupil videos (directed by the teacher). Tasks 1-4 if working individually on a computer or odd numbered Tasks for Partner no 1 and even numbered Tasks for Partner no 2. A whiteboard/projector (to show videos Task 1-4 and for the teacher demonstration of the Scratch application)

Vocabulary- Computing - Stage, Script Area, Thumbnail, Sprite. Motion Palette-move 10 steps, go to x: y, point in the direction 90, glide 1 secs to x: y: when green flag clicked; Control Palette forever. Geography: the compass -north, south, east and west

Lesson Objective-To program insects to glide to the North, South, West and East

	T1. The points of a compass Open the **Y2L2 Bees2 Folder** located in your personal folder on the network. Open **Y2L2 Bees2 Start.sb2** (Scratch File). Watch the video **Y2L2 Bees2 Task 1**
	T2. Insert a sprite ladybug and make it point North Watch the video Y2L2 Bees2 Task 2. The stage shows the points of a compass. Select the New Sprite from library → animals →ladybug From the **Events Palette** → When **green flag clicked** block. From the **Motion Palette,** drag out a **go to x: 0 and y: 0** From the **Motion Palette** → **point in the direction 0** Click the Green Flag to test your code Click File → **Save**
	T3. Make the Ladybug glide North Watch the video Y2L2 Bees2 Task 3 Select the ladybug on the stage and position it just under the word **North** From the **Motion Palette** drag out a **glide 1 secs to x: y:** Change the 1 sec to 5 secs Select the New Sprite from library → animals →beetle From the **Events Palette** → When **green flag clicked** block. From the **Motion Palette,** drag out a **go to x: 0 and y: 0** From the **Motion Palette** → **point in the direction 180** to face South. Click the Green Flag to test your code Select the beetle on the stage and position it just above the word **South.**
	T4 Make the red bee glide east and the blue bee glide west Watch the video Y2L2 Bees2 Task 4 **Red bee: -** from the **Events Palette** → When **green flag clicked** block. From the **Motion Palette,** drag out a **go to x: 0 and y: 0** From the **Motion Palette** → **point in the direction 90** to face East. Click the Green Flag to test your code Select the **red bee** on the stage and position it to the left of the word **East**. From the **Motion Palette** drag out a **glide 1 secs to x: y:** Change the 1 sec to 5 secs **Blue bee: -** From the **Events Palette** → When **green flag clicked** block. From the **Motion Palette,** drag out a **go to x: 0 and y: 0**. From the **Motion Palette** → **point in the direction -90** to face West. Click the Green Flag to test your code Select the **blue bee** on the stage and position it just to the right of the word **West**. From the **Motion Palette** drag out a **glide 1 secs to x: y:** Change the 1 sec to 5 secs. **Save your work**