





## Activity Card 12

# Red Riding Hood

- Every day, Red Riding Hood goes for a walk in the woods after her breakfast. She always walks the same path. It is a square path.
- Her father's best friend, the woodcutter, follows her each day to make sure that she is safe. He keeps hidden and she never sees him.
- In the PE hall, could you and a partner mime the walk that each of them takes? Can you describe the differences in their paths? Where might the woodcutter stand to avoid being seen?
- Could you program two Bee-Bots to follow each of their paths? Remember, their paths must not cross at any time or the woodcutter will be spotted.
- Make two squares from plastic building cubes, one to represent Red Riding Hood's path and one for the woodcutter's path. Then arrange them on your desk to show how the paths looked from above. How will the squares be different?
- Can you use Logo to draw their paths?
- If you used this command to draw Red Riding Hood's path, how could you make the command different for the woodcutter's path?

**repeat 4[forward 50 right 90]**

- Draw the woodcutter's path then use **cs (clearscreen)** to clear the screen. Can you use Logo to draw both of their paths, as they will look from above?

**Hint:** You will need to use some extra commands to move the turtle to the start of the woodcutter's path after it has finished drawing Red Riding Hood's path.