

ST.ANDREWS SCOTS SR. SEC. SCHOOL

9th Avenue , I.P Extension, Patparganj, Delhi-92

Session 2024-25

Class:IV

ch-9 Google Blockly Games

Subject: Computer

→ Take Off:-

1.Ans: Move the object in the forward direction.

2.Ans: Turn the object in the left direction.

→ Double tap:-

1. am a block that turns the object in the specified direction.

Heading 90

2. I am a block that allows the bird to fly in one direction till the condition is true.

Does not have worm

3. am game that teaches the concept of rotation by an angle to the users. **Bird game**

→ Choose the correct option.

1.) Which of the following games introduces the concept of rotation by angle?

a.Turtle b.Bird c.Maze d.Movie

2.) How many levels are there in the bird game?

a.4 b.5 c.10 d.7

3.) Which of the following buttons returns the turtle to the original position?

a.Run b.Reset c.Ok d.Review

4.) Which of the following block is used to turn an object in left direction ?

a.Hide b.Heading c.Move by d.Loop

→ Fill in the blanks .

1. The **Turtle** game teaches the users to rotate the pen .

2. The **Loops** category has one block.

3. The **Turn--by** block is used to rotate the turtle.

4. Reset button appears in the place of the **Run program** button.

→ **Tick the correct one and cross the wrong ones .**

1. The move by block is used to make the turtle move forward or backward to draw the shape .
2. The Bird game teaches the concept of rotation by an angle to the users.
3. The Turtle game has only seven levels.
4. The Reset button is used to return the turtle to the original position.

→ **Answer the following.**

Q1. Name any two blocks of Bird game.

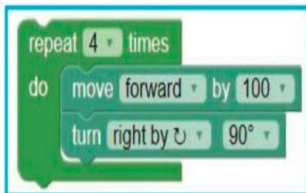
ANS1. 1) Heading block 2) If do else block

Q2. What happens when the bird does not reach the destination while running the program also give a solution

ANS2. If the bird does not reach to the destination then run program button will change in to Reset button and to do it again click on Reset button.

Q3. Write steps to draw a square in Blockly.

ANS 3.



1. Drag the following blocks and change required value to draw a square.
2. Click on Run program.

→ **Scratch your brain:-**

1. **a.** This block turn the object in left direction from the direction it is facing.
b. This block allow the bird to fly in one direction till the condition is true, and it changes direction when the condition becomes false.

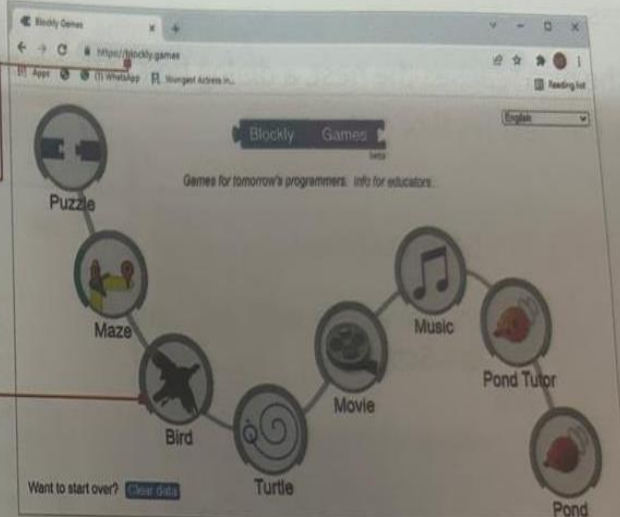
→ **Competency Based Questions:-**

- a. (ii)
- b. Turtle game

→ Draw this in your notebook(Steps to open Bird game):-

To play Bird game, follow these steps:

- 1 Type **www.blockly.games** in the address bar of the web browser and press **Enter** key.
- 2 Click on the **Bird** option.



The screenshot shows a web browser window with the URL <https://blockly.games>. The page title is "Blockly Games" and the subtitle is "Games for tomorrow's programmers. Info for educators." The main content area displays a grid of game icons: Puzzle, Maze, Bird, Turtle, Movie, Music, Pond Tutor, and Pond. A red line from step 2 of the instructions points to the Bird icon. At the bottom left, there is a "Want to start over?" link with a "Clear data" button.