Intermediate Game Production

Two Players



- Task 1 control a sprite's movement using the keyboard
 - Task 2 control a sprite's movement using the keyboard and store two players' scores.

Two Players

Our game can be adapted easily for two players in a variety of ways. We could have:

• two sharks chasing the fish

using Sci

- one player playing the fish and another playing the shark
- one player trying to block the shark from getting the fish and so on....

No matter which game we decide to create, we have to use the keyboard to control the fish or shark as we can only have one mouse.





If you look at the Motion category you will see that we can change the position of a sprite on the screen by changing its x and y coordinate.





You should attempt **one** of the tasks below. Remember - these tasks are designed to make you solve problems yourself. Do not look at the solutions unless you absolutely have to!

- Task 1 Delete the script that makes the fish move randomly and use the information above to make the 4 cursor (arrow) keys control the fish.
- Task 2 Add another shark to the game that is controlled by the 4 cursor (arrow) keys. Add another variable to store player two's score (like the above example) when the second shark catches the fish.

Two Players

Intermediate Game Production

Two Players (solutions)

Task 1

In this task, we simply have to change some of the script we created in the Basic Game sheets.

Change the fish script as shown below.

when 🛤 clicked	Before
go to x: 0 y: 0	
turn 🖓 (pick random 🕻	to (359) degrees
move 5 steps	
if on edge, bounce	



After

Note that four IF blocks are needed (one for each cursor key).

To change the speed the fish moves at, simply make the x and y coordinates change by a larger amount when each key is pressed. $(change \times by [5])$

Task 2

Start by adding another shark sprite to the Game. Start by adding another shark sprite to the Game. You should change the colour of the second shark using the edit button in costumes.

Delete the original Score variable and make two new variables for each player.



Created by Mr G. Reid, PT Computing, Kirkland High School (23th June 2010)