2.3 Successful Flying

Intro

In the previous section, Mike No.1 took Mike to the outer space via auto driving. Now Mike needs to learn to fly the spaceship himself, do you want to know how?

Task

1. Enable Mike to control the spaceship via keyboard and mouse

Start Learning

1. Control with Mouse

Make your work fun and interactive controlling the coordinate and movement with mouse. Let's get started now!

Block	Explanation	Example
point towards mouse-pointer -	You can enable the sprite to face towards the cursor or towards other sprites.	forever point towards mouse-pointer move 2 steps
go to mouse-pointer	Make the sprite to move to where the cursor is.	forever go to mouse-pointer

2. Control with Keyboard

Mike wants to control the flying of the spaceship with the arrow keys on the keyboard. Use "when..key pressed" from Event Module to achieve this function.

Block	Explanation	Example
when up arrow very key pressed	Choose the corresponding keys to control the program.	when up arrow v key pressed point in direction Ov move 10 steps
point in direction (90) right (-90) left (0) up (180) down	Adjusting the value here will enable the sprite to face different direction.	point in direction O move 10 steps

★ Practice

Mike has just learnt some new skills of flying the spaceship. Let's practice: make the spaceship fly 200 meters in the direction of value 90.

rightarrow Explore

1) Use arrow keys to control the spaceship to fly upwards, downwards, leftwards, and rightwards.

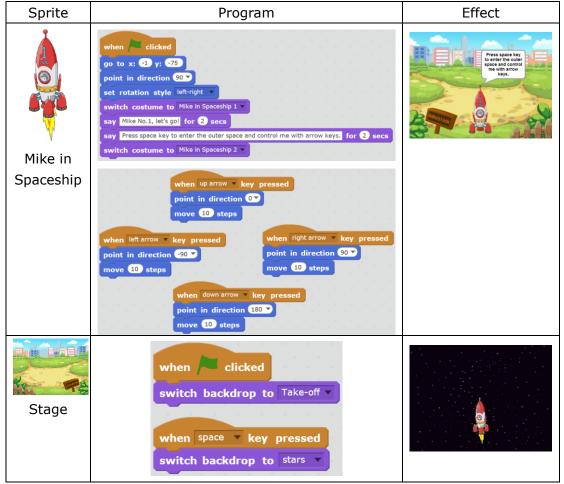
2) Can you figure out how to control the flying speed?

Achieve

Sprite	Program	Effect		
Mike in Spaceship	when clicked go to x: -1 y: -75 point in direction 90 set rotation style all around switch costume to Mike in Spaceship 1 say Mike No.1, let's go! for 2 secs switch costume to Mike in Spaceship 2 forever move 2 steps point towards mouse-pointer			

1. Control the Spaceship with Mouse

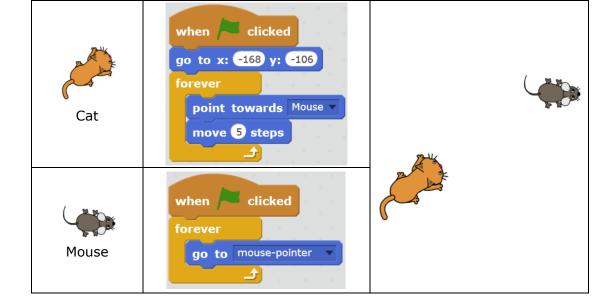
2. Control the Spaceship with Keyboard



Additional Training

Let's play the game of "Catch Me If You Can"!

Sprite	Program	Effect
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What You've Learnt?

Adventure Diary (Self-Assessment) Gas Station (Other's Assessment)

