物聯網示範教學

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2020-11-13（下午）獅潭國小

教學大綱

- 物聯網(IoT) 簡介
- 開發環境安裝與設定
- ESP8266（小莽蛇）與震動感測器介紹
- 實驗1：點亮小莽蛇
- 實驗2：小莽蛇跑步（慢、中、快）
- 實驗3：震動嚇到小莽蛇
- 實驗4：有小偷、用LINE通知老師

上課實景

上課實景

上課實景

上課實景

(等分)
ivideCurve
Series
ArrPolar
control Ploygon
Rotate
Move
Division
Curve
Gradient
MARV

(等分)
ivideCurve
Series
ArrPolar
control Ploygon
Rotate
Move
Division
Curve
Gradient
MARV

上課實景

grasshopper

grasshopper

Rhino
Circle
DivideCurve
Series
ArrPolar
control Ploygon
Rotate
Move
Division
Curve
Python

運算思維

上課實景

Rhino
Circle
DivideCurve
Series
ArrPolar
control Ploygon
Rotate
Move
Division
Curve
Gradient
voronoi
-ViewCaptureToFile
grasshopper

上課實景

Rhino
Circle
DivideCurve
number
number
-ViewCaptureToFile
存檔
grasshopper
Series
ArrPolar
control Ploygon
Rotate
Move
Division
Curve
Gradient
voronoi

上課實景

上課實景

Rhino
Circle
DivideCurve
Series
Polygon
Move
ViewCaptureToFile

Rhino
Circle
DivideCurve
Series
ViewCaptureToFile

上課實景

Rhino
Circle
Series
ArrPolar
control Ploygon

Rhino
Circle
Series
ArrPolar
control Ploygon

acer
ESPORT

acer
ESPORT

上課實景

11/20 運算思維
acer

11/20 運算思維
acer

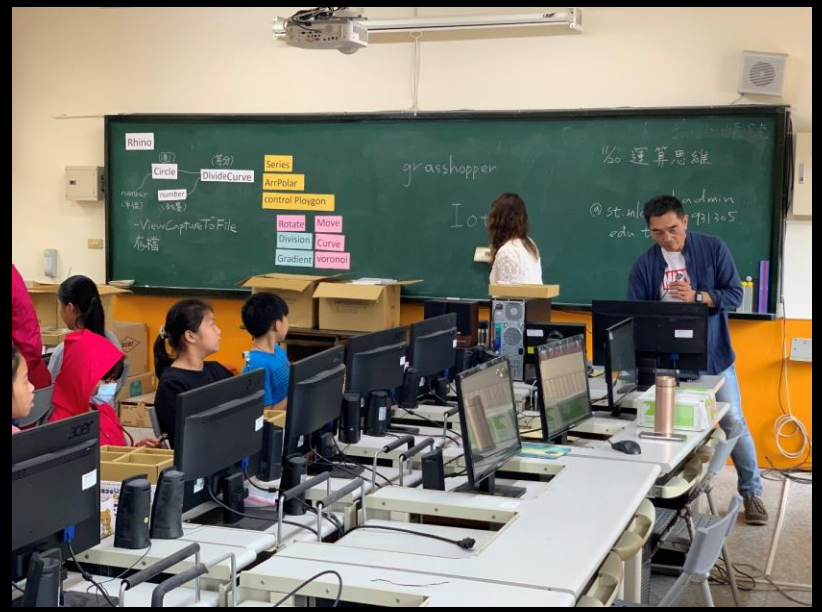
acer
ESPORT

Rhino
Circle
number
ViewCapture
存檔

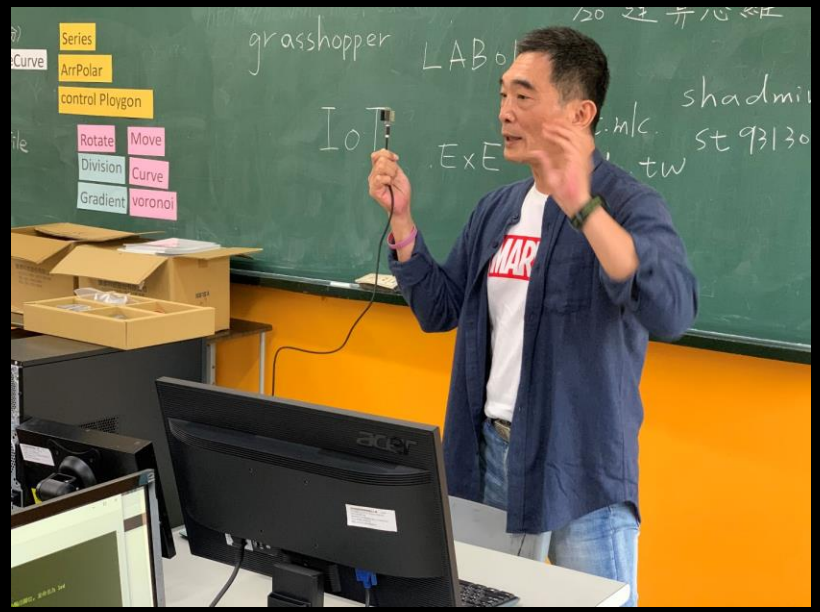
上課實景

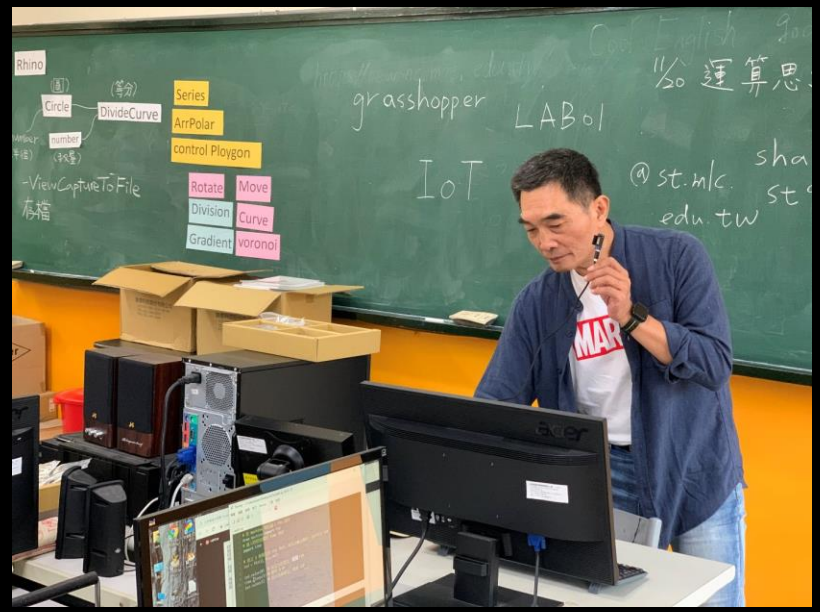
Rhino
Circle
number
-ViewCapture
存檔

Rhino
Circle
DivideCurve
Series
ArrPolar
control Plygon
Rotate
Move
Division
Curve
Gradient
voronoi
-ViewCaptureTSFile
存檔
grasshopper


Rhino
Circle
DivideCurve
Series
ArrPolar
control Plygon
Rotate
Move
Division
Curve
Gradient
voronoi
-ViewCaptureTSFile
存檔
grasshopper

上課實景


grasshopper
LABo
IoT
Series
ArrPolar
control Ploygon
Rotate
Move
Division
Curve
Gradient
voronoi


Rhino
Circle
DivideCurve
Series
ArrPolar
control Ploygon
grasshopper
LABo1
IoT
Rotate
Move
Division
Curve
Gradient
voronoi

上課實景

上課實景

上課實景

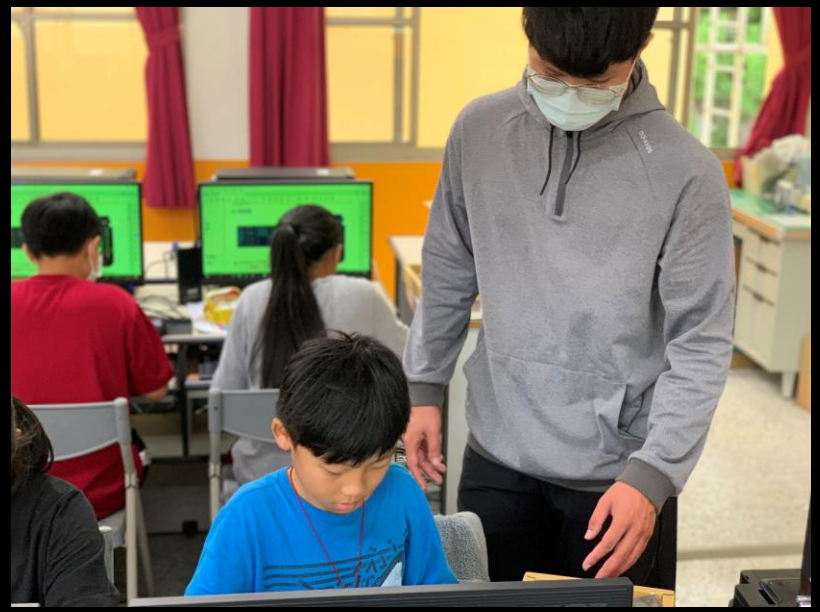
grasshopper
Circle
DivideCurve
Series
Anchor
Move
Curve
voronoi

grasshopper
VCC — 5V
Move
Curve
voronoi

grasshopper
5V

grasshopper
5V

上課實景



上課實景

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