



Knowledge Organiser: SUMMER 2

Year 6 Computing: Python (Module 2)

Vocabulary	Meaning
consent	agreement, approval or permission for something to happen
privacy	the right to choose about how we share personal information
verification	to confirm the truth or accuracy of a statement
function	a basic task in a code, one that corresponds to a single instruction from the user
axis	the y axis travels from top to bottom and the x axis travels across
random	where a program selects an unknown number to be placed into a code
data	facts collected together over a period of time
render	to display the collected data onto the screen in a chosen format
value	the importance or usefulness of something
compass	an instrument which indicates different directions such as North, South, East or West
command	to order or instruct a program to perform the action
indent	start (a line of text) or position (a block of text) further from the margin than the main piece of text.
JSON	pronounced Jason, the name of the format used to present data that is "live" right now

Key knowledge:

You will design and code your own maze game. The aim of the game will be to collect objects and escape from a house, making sure to avoid all the monsters!

```
'Hall' : {
    'south' : 'Kitchen'
},
'Kitchen' : {
    'north' : 'Hall'
}

> go west
You can't go that way!
-----
You are in the Hall
Inventory : []
-----
```

Key knowledge:

You will use a web service to find out the current location of the International Space Station (ISS) and plot its location on a map.

```
{ "message": "success", "number": 5,
  "people": [ { "craft": "ISS", "name": "Chris Cassidy" }, { "craft": "ISS", "name": "Anatoly Ivanishin" }, { "craft": "ISS", "name": "Ivan Vagner" }, { "craft": "ISS", "name": "Doug Hurley" }, { "craft": "ISS", "name": "Bob Behnken" } ] }
```

```
url = 'http://api.open-notify.org/astros.json'
response = urllib.request.urlopen(url)
result = json.loads(response.read())
print(result)
```

