Week 5 Activities!

Getting Started			
		Pull down your last week's challenges repo, open it up and create a new scene, and call it work 5. Create pariets and scenes as you see fit	
		it week 5. Create scripts and scenes as you see fit.	
Contact directory Fun (15mins)			
		Create a Contact script to contain the following data:	
		□ Name	
		☐ Phone number	
		□ Address	
		□ Email	
		☐ Preferred name.	
		Create a setup() function that can initialise these values to pseudo random values.	
		Assign this script to 3 objects in your scene	
		Now create a ContactDirectory script that can hold references to your three contacts in	
		your scene. Now call your setup function for each of your references to your contact	
		script.	
Let's make a cube drop (10 mins)			
		On your cube, attach a Rigidbody Component - press play	
		Get a reference to the rigidbody component.	
		Increase the mass of the Rigidbody from 1 to 50.	
		(optional)On a UI button press reset the cube to its starting position.	
		(Bonus) let's learn how to spawn a cube from a UI Button Press	
Diagra Ha			
Clean Up			
	_	Commit and Push your finished work up to your GitHub Repo with an appropriate commit message that details what you have completed this lesson.	
		Show Nathan you have completed all the challenges!	

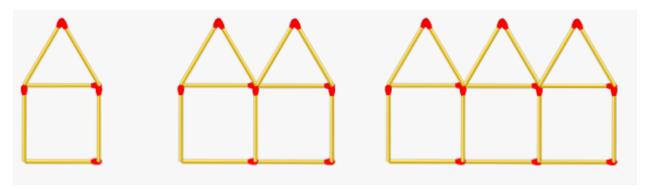
Extra Challenges

Let's colour a cube (10 mins)

- ☐ Write a script that you attach it to a cube
- ☐ Let's get a reference to the MeshRender component
- ☐ Now make the cube change to a random colour.

Match Stick Fun

☐ Create a function that takes in a number of match stick houses and returns the number of match sticks required to make those houses.



Test Data

- matchHouses(1) returns 6
- matchHouses(4) returns 21
- ☐ matchHouses(87) returns 436

It's over 9000! Part 2 electric boogaloo

- Create a script that can hold the following data:
 - ☐ Strength
 - Intelligence
 - □ Agility
 - Add other stats?
 - □ Character Name
 - ☐ Class
 - Power Level
 - ☐ A function/s to generate some default stats and a random name and random class.
 - □ An initialise function.
 - ☐ Any other useful functions, use brief 01 as example!
- ☐ Create a Dungeon Master script, and have this have reference to each of the characters you wish to create for your game, you could represent these with cubes, spheres, cylinders etc.

Have the Dungeon Master script set up each of your players with initial values.
Have the Dungeon Master script, then "battle" each of the characters until there is a
winner.
During each "round" detail out what happens i.e. player 01 has a power level of 500 and
deals 250 damage to player 02.
Let's create some UML diagrams!