

#### Main game engines









rendering / animations / physic engine / audio / lightning / ...

## **Unity Capabilities**

#### 3D games



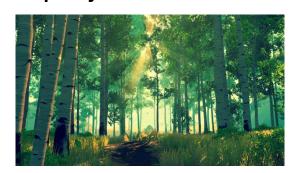
**Cities: Skyline** 



Superhot



I Expect you to die



**Firewatch** 



**Battletech** 

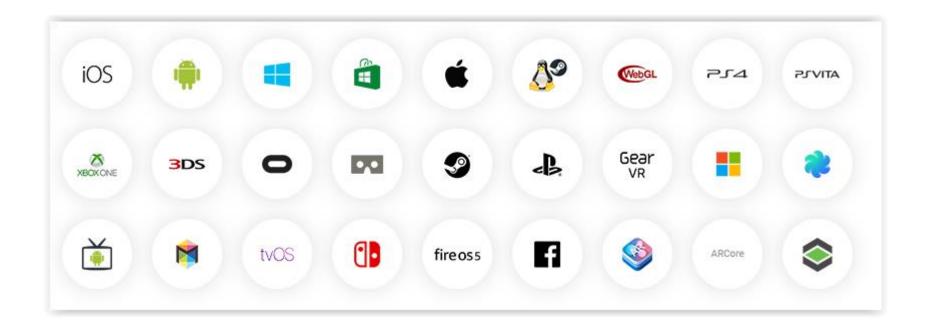


**Overcooked** 

#### 2D games



#### **Cross-platforms**





#### VR, AR, MR, XR?

#### AUGMENTED REALITY (AR)

Virtual objects overlaid on real-world environment



The real world enhanced with digital objects

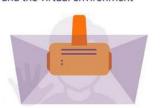


#### MIXED REALITY (MR)

Virtual environment combined with real world

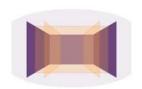


Interact with both the real world and the virtual environment



#### VIRTUAL REALITY (VR)

Fully artificial environment



Full immersion in virtual environment



#### **Extended Reality**



Physical Reality



**Augmented Reality** 



Mixed Reality



Virtual Reality

#### XR platforms overview

#### virtual reality





















augmented reality















#### **UnityXR-Ready**

#### XR

XR is an umbrella term, encompassing Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR) applications.













**XR Overview** 

Overview of XR concepts.



Overview of VR concepts.

#### Google VR

Learn about Google VR SDK support in Unity for Cardboard and Daydream devices.

#### Oculus

**XR Rendering** 

Learn about support in Unity for Oculus devices.

#### Open VR

Learn about OpenVR SDK support in Unity.

#### Windows Mixed Reality







#### **XR Audio**

XR Audio

and how to implement Spatial Audio in your applications.

#### **XR Rendering**

Learn about XR Rendering concepts.



#### **XR Reference**

Learn about the XR API in Unity.

#### Vuforia

Learn about Vuforia SDK support in Unity.

#### **XR** Input

Learn about the XR API input system and specific XR Platform interaction concepts.

Learn about Audio concepts in XR



## Unity Quick start

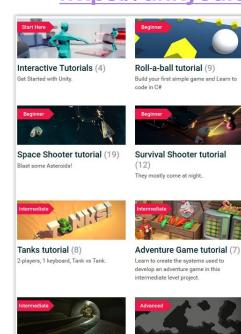
#### Official tutorials

#### https://unity3d.com/fr/learn/tutorials

2D Game Kit (38)

writing any code.

Create your own 2D platform game without





Procedural Cave Generation

tutorial (9)

Let's get spelunking.







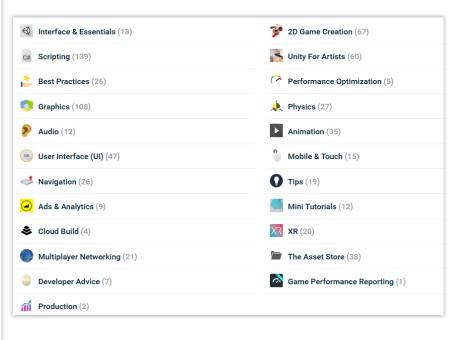
**3D Game Kit** (33) Explore and create in this 3D game kit without writing any code.



Space Chicken (21)
Never tried Unity? No coding skills? Perfect!
Make your first game & share using
"Ready."



Tower Defense Template (10) Learn how to create your own Tower Defense game





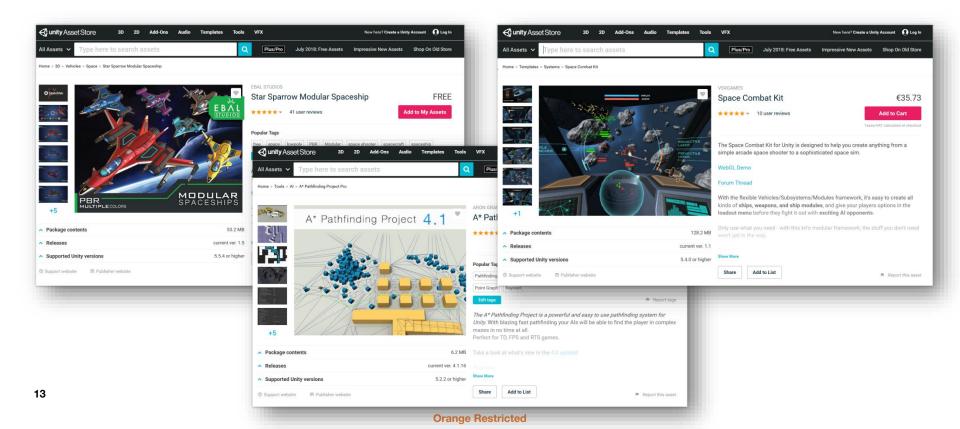
Creating Believable Visuals

In this article we look at the fundamentals

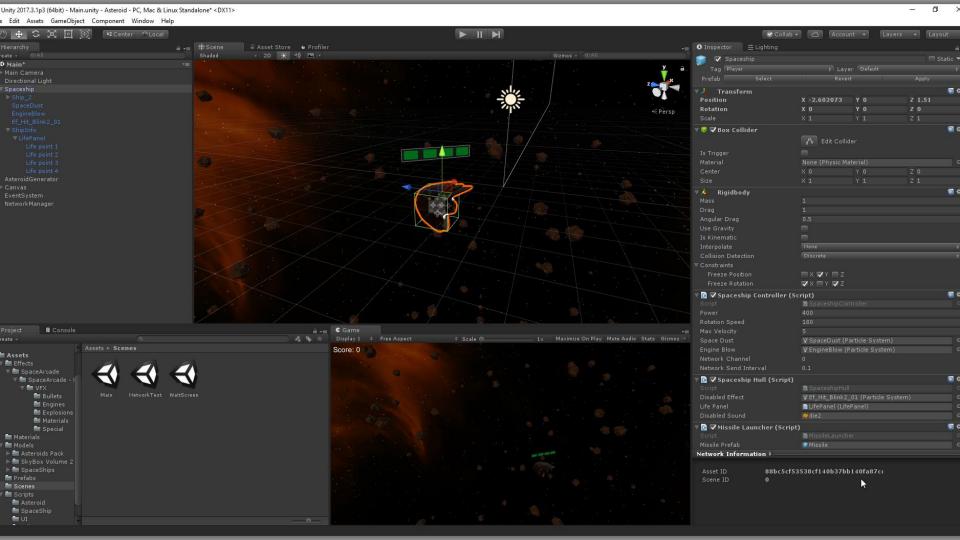
of setting up good baselines for believable

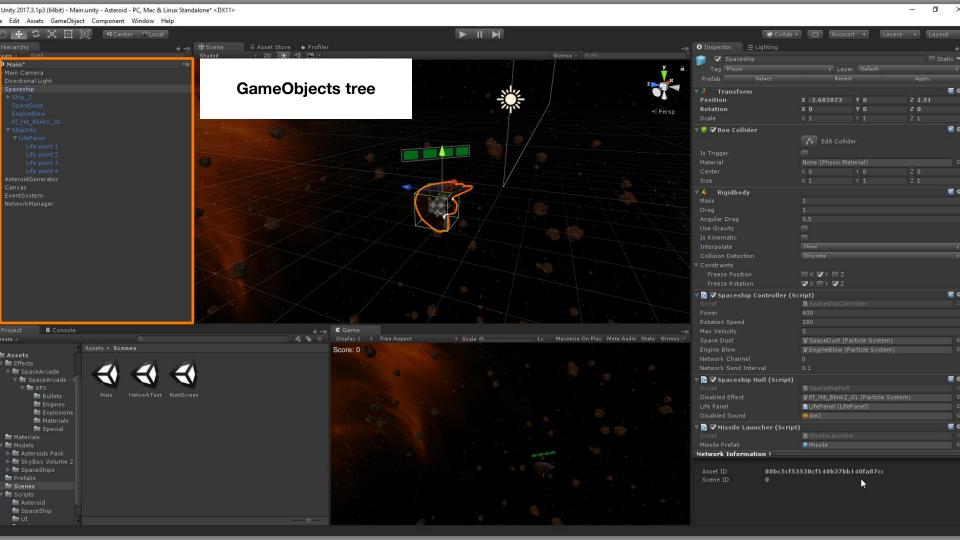
#### **Asset store**

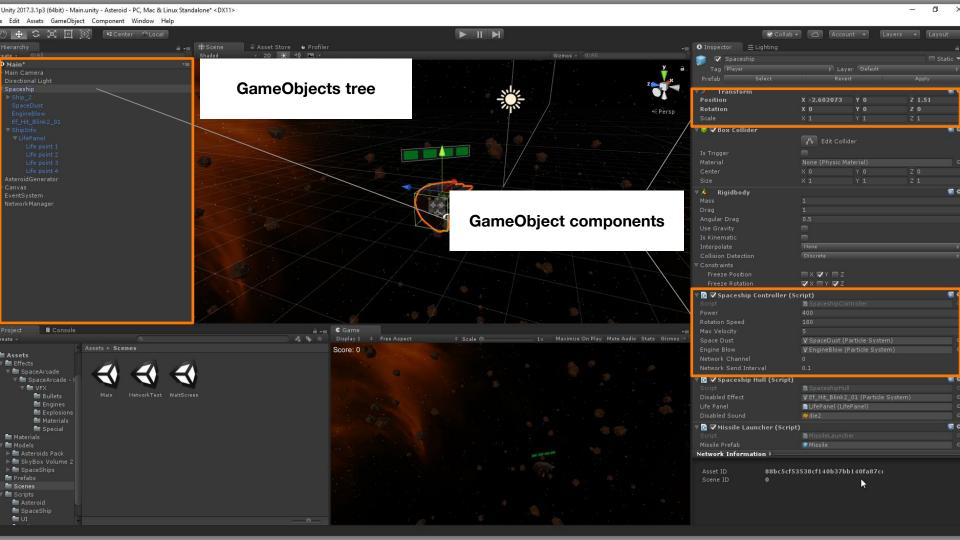
#### https://assetstore.unity.com/

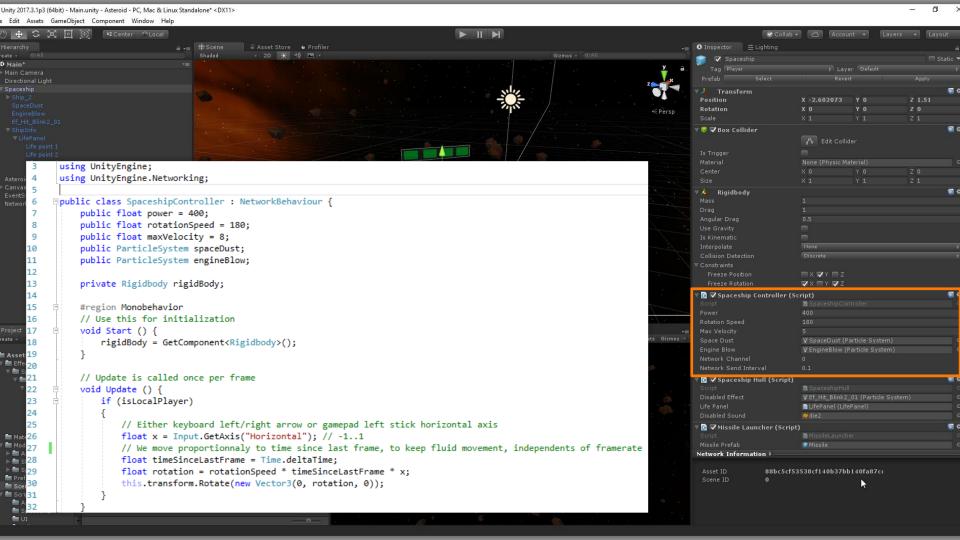


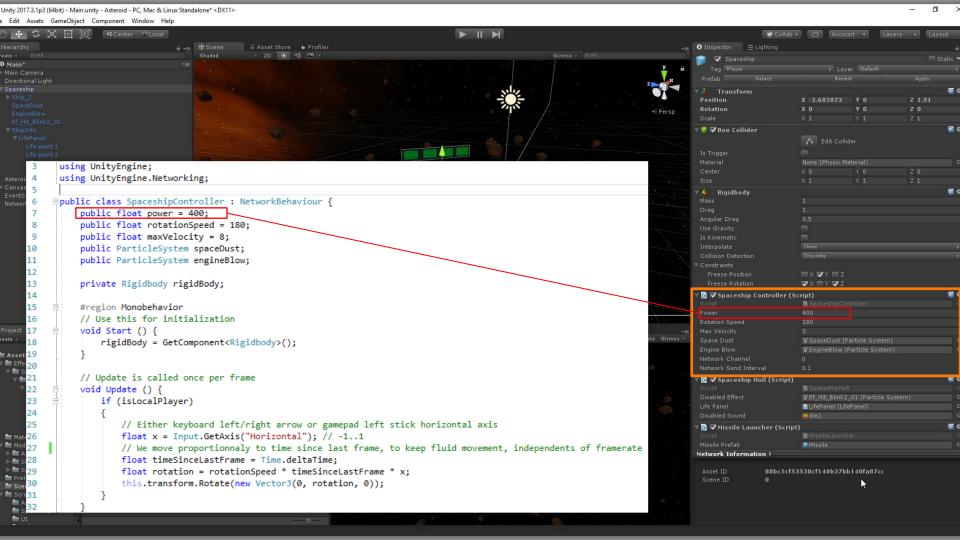
# Unity Editor Organization











### Thank you

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