

Additional Immersive Apps and Ideas

AR Books

Name	The Ghostkeeper's Journal and Field Guide
Author	Japhet Asher
Publisher	Carlton
About the Book	<p>The Ghostkeeper's Journal and Field Guide: An Augmented Reality Adventure by Japhet Asher (Carlton, 2018) is the first ever Augmented Reality enhanced novel. Through the book, readers join SPRUNG - Society for the Pursuit of the Reputedly Undead, Namely Ghosts. Agamemnon White - SPRUNG Ghostkeeper, child prodigy and tuna sandwich obsessive - has gone missing, and all that remains is his journal. Using the accompanying 'Ghost-o-Matic' app, pages from the journal come to life, revealing additional information and a ghost catching experience, through which you solve puzzles and collect the ghosts from the case notes in the book - all of which will help you solve the mystery and find out what happened to Agamemnon. The Ghostkeeper's Journal and Field Guide: An Augmented Reality Adventure is recommended for children aged 9-14-years-old. You can find out more about the book by watching this short trailer.</p>
About the Author	<p>Japhet Asher is always looking for new ways to tell stories. He is known as both an Academy Award nominated documentary maker and as a writer and producer of Emmy Award winning animation, including the groundbreaking MTV series he created, Liquid Television. He was also in charge of digital development for BBC Children's channels for several years, launching a wide variety of games, apps and YouTube channels.</p> <p>Japhet loves finding new ways to tell stories and has been leading the exploration of storytelling in the world of augmented and mixed reality. The books with apps he's developed using AR won the top digital awards for 2018 at the Bologna Children's Book Fair. The Ghostkeeper's Journal was selected for exhibition at the prestigious Future of Storytelling conference in New York and won 2018 Futurebook's Book of the Year.</p>

App Details	<p>The free app is available to anyone with a compatible smartphone or tablet (Android devices with both forward- and backward-facing cameras using Android 4.0.3 and above, and ARMv7 NEON processors. iOS devices running iOS 9.0 or above, iPhone 5s or above, iPad 4 or above, iPod Touch 6th Gen. or above. INTEL ATOM based devices are not supported).</p> <p>'The Ghostkeeper's Journal and Field Guide' and 'Ghost-o-Matic' app © Polarity Reversal Ltd</p>
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Name	The Ultimate Dinosaur Encyclopedia
Author	Chris Barker
Publisher	Welbeck Publishing
About the Book	<p>You've never seen a dinosaur book like this before! The Ultimate Dinosaur Encyclopedia is a whole new type of encyclopedia, developed in conjunction with cutting-edge 3D-art and science. Using groundbreaking recent research, palaeontologist Chris Barker recreates the world of prehistoric giants with photorealistic images more lifelike than any you've seen before.</p> <p>Use the free AR app to view the pages, and you'll see dinosaurs spring into life with stunning 3D. As well as learning about their appearance and behaviours, the app lets you see them as breathtaking life-size models. Selected pages even have video clips that seem to play right on the page. Short of hopping in a time machine, it's the best way to get close to these amazing animals.</p> <p>The book explores every era of prehistoric life, beginning with the origins of life in the world's oceans, moving to the first land-based vertebrates, and on to the reign of the dinosaurs and beyond. Based on only the most modern and authentic science, some familiar dinosaurs take on a whole new appearance. See these majestic creatures in their natural habitat, understand their parallels with modern animals, and learn everything about how they moved, ate, fought and hunted.</p>
About the Author	<p>Chris Barker is a palaeontologist, holding a BSc and MRes in Palaeobiology and Vertebrate Palaeontology. He has contributed to several children's dinosaur reference books across multiple publishers.</p>

App Details	This book is accompanied by an app, 'Ultimate Dinosaur Encyclopedia'. This app is compatible with: iPhones or iPads running iOS 11.3 and above; iPhone SE and above; iPad 5th Gen and above; and Android running 7.0 or above, supporting Google's ARCore v1.7 or higher.
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Audio Editing

Name	Voice Memos	Voice Recorder
Website	https://apps.apple.com/us/app/voice-memos/id1069512134	
Platform/ Requirements	Requires iOS or iPadOS 10.0 or later.	(NB: The app may have a slightly different name depending on what type of Android device you have)
Price	Free	
Description	<p>Many smartphones come with an in-built voice recorder. You can use this for recording interviews, or sounds for a soundscape to add more to the experience that you create.</p> <p>The app and how to use it may vary depending on the type of device you have.</p>	

AR Apps

Name	Blippbuilder
Website	https://www.blippar.com/build-ar
Platform/ Requirements	Web-based app
Price	Free to use and publish (up to 100 views)

Description	<p>Create a web AR project with a simple builder - no coding required. BlippAR will host the experience for you, up to 100 views. The builder comes with some pre-created elements, but you can also upload your own. Users can then scan the QR code or access through the URL and experience your AR creation for themselves.</p> <p>You can create an AR project that will appear around the user, on a printed marker, or on any flat surface.</p> <p>You can also create AR projects for the Blippar App.</p> <p>The Support Documentation includes guides to creating AR content using Blippbuilder.</p>
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Name	Super You
Website	https://apps.apple.com/us/app/super-you/id1511177538
Platform/ Requirements	<p>iOS Requires iOS or iPadOS 13.0 or later.</p> <p>Compatible with iPhone XS, XR, 11, 11 Pro, 11 Pro Max, SE (2020) and iPad Pro (2019 3rd gen).</p>
Price	Free
Description	<p>Transform your friend in AR. Super You is an AR costume arts experiment - Aim your camera at your super friend, see them transform and swipe to change costumes. There are lots of super costumes to choose from, which also sample the colours of the clothes you are wearing.</p> <p>Using the latest body tracking technology, film your Super You taking a walk in the park, dancing in the kitchen or relaxing on the sofa.</p>

Name	Candide Labels - Plant ID
Website	https://candide.com/US
Platform/ Requirements	<p>iOS Requires iOS or iPadOS 13.0 or later.</p> <p>Android Requires Android 5.0 and up.</p>
Price	Free

Description	<p>Candide Labels uses your phone's camera to identify all the wonderful plants around you. And once it's found a match, it will add an AR label to the plant, which will still be there whenever you come back.</p> <p>The label will tell you how to look after your plant, as well as the common problems to look out for - so the gardening knowledge you need will always be at your fingertips.</p>
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Name	Night Sky
Website	https://icandiapps.com/night-sky-4/
Platform/ Requirements	<p>Hardware</p> <ul style="list-style-type: none"> • iPad Air 2 / iPad mini 4 or above • iPhone (iPhone 6s or above) • iPod touch (7th Generation or above) • Apple Watch (Series 2 or above for auto calibration) • Apple TV (3rd Generation or above) • Mac (running macOS 10.5 or above) • AirPods (AirPods Pro or AirPods Max) <p>Software</p> <p>Night Sky X is designed for iOS/PadOS 15 and watchOS 8. It is compatible with</p> <ul style="list-style-type: none"> • iOS 13.0 or later • watchOS 5 or later • tvOS 13 or later • macOS 10.5 or above
	<p>Internet Connection</p> <p>After installation and setup are complete the core functions of Night Sky do not require a wi-fi or cellular data connection.</p> <p>The iPhone Widget, Stargazing Conditions, Night Sky Tonight and Night Sky News features all require an Internet connection to function. Satellite data is occasionally updated in the background and this also requires an internet connection. Night Sky can still be used without an internet connection but functionality may be reduced.</p>
Price	Free (In App Purchases to unlock more features)

Description	<p>Night Sky is a powerful personal planetarium, allowing you to quickly identify stars, planets and satellites through your phone or device.</p> <p>Using AR Sky Blending, you can see the Sky View laid over your real view, helping identify which stars you might be seeing in the sky.</p> <p>Additional features, such as AR Grand Orrery to bring the Solar Systems into the room using augmented reality are available with a premium subscription.</p> <p>The App also comes with access to the Night Sky Education Centre, with activity ideas on how to use it with your group.</p>
Accessibility	<p>While using Sky View, you can magnify any text labels to make them easier to read. Night Sky also includes full VoiceOver support. Users with VoiceOver enabled can simply raise their device, and Night Sky will read the celestial objects to them.</p>

Name	Waypoint EDU
Website	https://www.waypointedu.com/
Platform/ Requirements	<p>iOS Requires iOS or iPadOS 11.0 or later. Works on iPhone, iPad or iPod Touch.</p> <p>The app requires a device with GPS+Cellular to play.</p>
Price	Free with In App Purchases
Description	<p>Educational Scavenger Hunts with an AR twist! Waypoint EDU is designed for small-scale geocaching. Teachers (or parents) use Waypoint EDU to create engaging augmented reality geocaches ("Hunts"). Setting up a Hunt is very simple - enter a few details, draw a Playfield directly on the map, and enter quiz questions. Includes two Official Hunts. Can be used for both indoor and outdoor hunts.</p>

Name	Boulevard AR
Website	https://www.blvrd.com/

Platform/ Requirements	iOS Requires iOS or iPadOS 11.0 or later. Runs on iPhone, iPad or iPod Touch.
Price	Free
Description	Bring to life the human stories behind celebrated works of art. Exploring works of art has never been this up close and personal. Boulevard AR brings art to you, wherever you are, and now features three important paintings from London's National Portrait Gallery collection. Curators from the National Portrait Gallery narrate the immersive experiences and guide users through select aspects.

Name	ARrrrrgh
Website	https://www.warpinmedia.com/cases/arrrrrgh/
Platform/ Requirements	iOS Requires iOS or iPadOS 11.0 or later. Works on iPhone, iPad or iPod Touch.
Price	Free
Description	A modern hide and seek game that turns your living room, garden or kids room into a virtual treasure seeker's hunting ground. Paired with a parrot that assists players along their journey and treasure map that leads them to glory.

Name	Pokémon Go
Website	https://pokemongolive.com/
Platform/ Requirements	iOS Requires iOS or iPadOS 13.0 or later. Runs on iPhone, iPad or iPod touch. Android Requires Android 6.0 and up.
Price	Free with In App Purchases

Description	<p>Join Trainers across the globe who are discovering Pokémon as they explore the world around them.</p> <p>Pokémon Go includes AR+ mode, in which Pokémon appear anchored to your real-world environment right in front of you.</p> <p>You will need to create an account to play Pokémon Go.</p>
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Name	Pikmin Bloom
Website	https://pikminbloom.com/
Platform/ Requirements	<p>iOS Requires iOS or iPadOS 12.0 or later. Runs on iPhone, iPad or iPod touch.</p> <p>Android Requires Android 5.0 and up.</p>
Price	Free with In App Purchases
Description	Grow your pikmin, make flowers bloom, and keep track of your previous memories, all through the simple act of walking.

Name	Soundscape Explorer
Website	https://www.bbc.co.uk/taster/pilots/soundscape-explorer
Price	Free
Description	<p>BBC R&D teamed up with the Soundscapes for Wellbeing project and BBC Archive to investigate how listening to natural soundscapes can improve our mental health and connection with nature.</p> <p>Explore five different landscapes which mix 360-degree visuals with immersive 3D audio.</p> <p>You can also create your own soundscape using sounds from the BBC Sounds Effect Mixer.</p>

Name	Civilisations AR
Website	https://www.bbc.co.uk/taster/pilots/civilisations-ar

Platform/ Requirements	<p>iOS Requires iOS or iPadOS 11.0 or later. Runs on iPhone, iPad or iPod touch.</p> <p>Android Requires Android 7.0 and up.</p>
Price	Free
Description	<p>A collaboration between BBC Arts, BBC R&D, Nexus Studios and around 30 museums and galleries from across the UK to help you discover history's treasure. Through the app you can use AR to discover the secrets of ancient Egypt, reveal hidden layers beneath Renaissance masterpieces and learn more about the origins of these cultural treasures and the people who made them.</p>

VR Headsets

Oculus Quest 2 is a VR headset from Meta, available for £299. They're an all-in-one headset with built in audio and come with two touch controllers. No other device is required to use (although you may need to connect to a computer for some of the experiences below). There is a library of games available to install directly on the device (be aware that you may need to pay for some of these). To use the Oculus Quest 2, you will need to create a Facebook account.

If VR Headsets are out of your budget, you could instead look at Handheld VR headsets which work with a smartphone, like 'Google Cardboard'. There are also instructions available online for how to make your own Handheld VR goggles using cardboard and biconvex lens.

VR Apps

Name	Youtube Virtual Reality House Channel
Website	https://www.youtube.com/360/playlists
Platform/ Requirements	<p>Any VR headset, including Google Cardboard.</p> <p>The VR experiences can also be watched on your phone without any headset.</p>
Description	<p>This official Youtube channel has playlists with hundreds of 180- and 360-degree VR videos to watch and enjoy, created by users from around the world - and the International Space Station.</p>

Name	Tilt Brush
Website	https://www.tiltbrush.com/
Platform/ Requirements	Available for VIVE, Oculus, Oculus Quest, Windows Mixed Reality, Valve Index, PlayStation VR
Price	£14.99
Description	Tilt Brush lets you paint in 3D space with virtual reality. The room is your canvas. Your palette is your imagination. The possibilities are endless.

Name	Earth VR
Website	https://arvr.google.com/earth/
Platform/ Requirements	Available for VIVE or Oculus Rift.
Price	Free
Description	Explore the world from totally new perspectives. Stroll the streets of Tokyo, soar over Yosemite, or teleport across the globe.

Name	Museum of Other Realities
Website	https://www.museumor.com/
Platform/ Requirements	Requires a VR Headset and a compatible PC.
Price	Free
Description	An immersive social art showcase in VR, the Museum of Other Realities (MOR) is a place to connect, share and experience virtual reality art with others.

Name	InMind2
Website	https://luden.io/inmind2/
Platform/ Requirements	Requires a VR Valve Index, HTC Vive or Oculus Rift.
Price	£3.99

Description	InMind 2 is an adventure game which places emphasis on the chemistry behind human emotion. Through this innovative and eye-catching VR experience you'll take part in the process of one teenager names John becoming an adult, and help shape John's future self.
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Name	Home - A VR Spacewalk
Website	https://store.steampowered.com/app/512270/Home__A_VR_Spacewalk/
Platform/ Requirements	Requires a VR Valve Index, HTC Vive or Oculus Rift.
Price	Free
Description	Throw yourself into the void 250 miles above Earth in this award-winning VR spacewalk inspired by NASA's training program and the astonishing experiences of its astronauts. Home puts you at the centre of the story, taking you on an emotional and personal journey while delivering beautiful, heart-stopping, and memorable moments.

