# Augmented Reality in Education

**Augmented Reality** is a technology that superimposes a computer-generated image on a user's view of the real world, thus providing a composite view. Imagine living in the magical world of *Harry Potter*, where the school hallways are lined with paintings that are alive and interactive. Now imagine creating an atmosphere like that for your students. Augmented Reality (AR) allows educators and students to do just that: unlock or create layers of digital information on top of the physical world that can be viewed through an Android or iOS device.



## Augmented Reality Apps


**ColAR** – Print, color and see your artwork come to life!


**Word Lens** – This app instantly translates words by using your mobile device's built-in camera. No Internet connection is required. This app is great for foreign language teachers.


**Elements 4D** – Offers a new, fun way to experience augmented reality and learn about real-life chemistry.
http://daqri.com/elements4D-mobile/images/elements4D_paper.pdf


**Anatomy 4D** – Through this free app and a simple printed image, Anatomy 4D transports students, teachers, medical professionals and anyone who wants to learn about the body into an interactive 4D experience of human anatomy. http://daqri.com/project/anatomy-4d/#.VD_v63jD_Gg


**Spacecraft 3D** – Nasa's Spacecraft 3D is an application that lets you learn about and interact with a variety of spacecraft that are used to explore our solar system, study Earth and observe the universe. Using a printed AR Target and the camera on your mobile device, you can get up close with these robotic explorers, see how they move and learn about engineering feats used to expand our knowledge and understanding of space.


**Star & Planet Finder** – This app guides you to see stars, planets, constellations and satellites in the sky. Simply choose a planet from the list and move your device according to the pointer display, the pointer represents the planet.


**Guinness World Records 2014** – See records leap off the pages of your Guinness Book of World Records 2014 in 3D!


**Aurasma** – Aurasma is the industry-leading augmented reality app that's changing the way millions of people see and interact with the world. It's the only mobile app that lets you create and share your own augmented reality experiences.


**123D Catch** - Use your camera to capture the people, places and things around you as amazingly realistic 3D experiences. Capture friends, sculptures, buildings or anything else you can photograph. Automatically transform them into interactive 3D models that can be shared with friends, family, and an ever growing community of 3D photographers.
http://www.123dapp.com/catch