ICT Tools For Science AR / VR/ Simulations / Virtual Labs



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Usage Principles

In conjunction with AAC



Websites & Apps

Demo



Tips

Throughout the session



Q & A

Throughout the session





Usage Principles

What should be the way of integration





Share your experiences and reflections

Have you used AR/ VR/ Online Labs?

What are your observations? Gaps identified?

Chat/ Unmute to reply

Gaps and experiences

- Easy to understand
- Repetitive. Self-paced
- Interesting
- Tangible but abstract
- Practical experience missing
- Seriousness and reality missing
- Skills missing



Concept 1
DIY follow-up



Concept 2
Critical thinking



That is YOUR skill





STEPS

1. PROD THINKING

2. EXPLORE AND SHARE

3. DIY ACTIVITES







U2 Websites and Apps

FOSS, Resources and Freemium



DEMO



https://phet.colorado.edu/en/simulations/browse



https://www.labxchange. org/library



http://mw.concord.org/modeler/showcase/



https://www.labxchange.org/library/items/lb:LabXchange:5c7eb5b9:lx_simulation:1



https://activity-player.concord.org/?activity=https%3A%2F%2Fauth oring.concord.org%2Fapi%2Fv1%2Factivities%2F10768.json&page=p age_135736&runKey=cb8e4f2b-6965-41a6-8f56-334d671bd469

DEMO



https://stellarium-web.org/



http://www.olabs.edu.in/



https://learninglab.si.edu/#sll-create



https://www.physicsclassroom.com/

mmedia/newtlaws/efar.cfm all

https://edu.rsc.org/eic



https://www.pbslearningmedia.org/resource/lsps07.sci.phys.matter.ionicbonding/ionic-bonding/#.Wh73dVWnHIV

Science: It's not just the facts! It is to think!









https://ajitadeshmukh.wordpress.com/