

iBeacons + SAMR

- Dr Puentedura

TASK NOT TOOL

where?

1:1 Classrooms

Workshops & Conferences

Interactive learning zones

Outdoors, Scavenger Hunts

Art / Museum displays

JNXYZ .education

BEACONS FOR EDUCATION .COM

With support from
crowdsify

4. REDEFINITION

Tech allows for the creation of new learning tasks, previously inconceivable

- Students use a service like Beacondo to create their own beacon integrations
- Student work is published in a non-traditional way that utilises physical location as a trigger
- Students learn enough to begin collaborating via connections to other internet of things (IoT) devices such as smart watches and automated IFTTT (If This Then That) channels
- Your idea here -----??

3. MODIFICATION

Tech allows for significant pedagogical & learning task redesign

- Hidden beacons that trigger sounds and location-specific experiences add a far more personal focus for exploring topics and information
- Heat maps allow task leaders to analyse effectiveness of group activities so tasks can be modified
- Apps like 'Shortwave' enable local zone messaging and project communication

2. AUGMENTATION

Tech acts as a direct tool substitute, with some pedagogical improvement

- Integrate with an LMS to curate access to lesson content
- BLE speeds up process of pairing devices for sharing (ie. Airdrop)
- Alert users to the presence of nearby collaboration zones that they can join and contribute to

1. SUBSTITUTION

Tech acts as a direct tool substitute, with no functional change to pedagogy

- Popup notifications provide links to a map of campus/ school
- Instructions and content (ie. word lists, links) can be pushed to devices as dictated by when students arrive/ leave a physical space
- Beacons can substitute for other accessibility notifications

>. REFLECT

Understand, Reflect, Consider, Explore, Share,
- then begin to put a response into Practice

- What are iBeacons? "They add the dimensions of space, context and time to learning"- G. Ellwood
- How might learning triggers be useful?
- What problems do they solve?

FLOW-ON EFFECTS?

Local context The meaning & context that learning experiences evoke can be enhanced by being tied to your locality

Interaction Real-world locations gain the ability to trigger digital actions

Timeliness Required content, links or experiences can be triggered at just the moment a learner needs them

Mobility Beacons and devices are portable and can be setup anywhere

????? iBeacons are a fast-developing tech

Reconnect learning to physical environ

learning-cycle

LEARNING TO LEARN

START HERE:

iBeacons spark new learning possibilities