

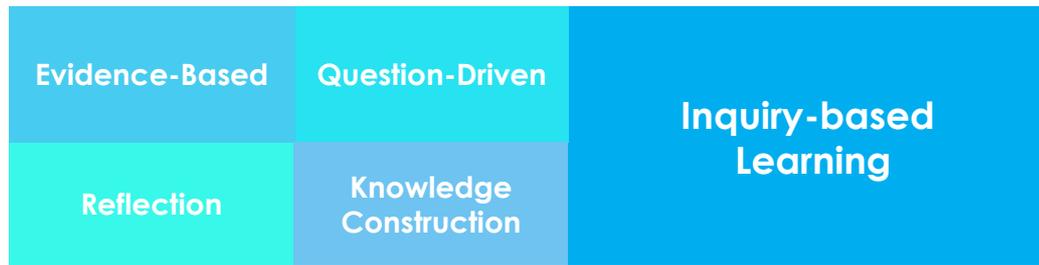
## **Ministry of Education's Finding**

How do ICT Affordances in  
interactive Heritage Trails (iHTs)  
Facilitate Students' Use of  
Inquiry in Humanities?

**Conducted by:** MOE, CPDD2, Humanities Branch



## 4 Components of Inquiry-based Learning (MOE)



### ICT Affordances of iHTs

- Using mobile devices, interactive content such as text, video, audio and images are 'pushed' to students.
- Students would have to interact with both the digital content and their immediate environment to complete the learning activities (puzzles, quizzes and games) on the mobile devices.
- Through completing open-ended activities such as taking creative photos and video clips, students actively demonstrate their understanding and application of the new knowledge learnt.

### How MOE Conducted Their Study

- Used an Observation Approach
- 2 groups of students took part in this study:
  - 10 x Primary Three students
  - 10 x Secondary Two students
- Both groups used the iHTs to bolster their Character and Citizenship Education programme.

# Their Findings

What iHTs achieve	What MOE says
<b>Question-Driven</b>	<ul style="list-style-type: none"> <li>✓ In the process of the trail, students were motivated to ask questions</li> <li>✓ Interactive content such as images and videos activated at hotspots led them to ask questions beyond the content of the hotspots</li> <li>✓ Observed that students asked many open-ended questions that fostered discussions</li> </ul>
<b>Evidence-based</b>	<ul style="list-style-type: none"> <li>✓ Students were able to obtain information to answer the questions based on what they had seen, heard and read during the trail</li> <li>✓ Students justified their response based on what they learnt</li> </ul>
<b>Knowledge Construction</b>	<ul style="list-style-type: none"> <li>✓ Using ICT affordances, students learnt collaboratively and co-constructed knowledge</li> </ul>
<b>Reflection</b>	<ul style="list-style-type: none"> <li>✓ Multimodal functions of ICT embedded in the device allow teachers to retrieve students' responses and use to come to conclusions during a post-trail lesson</li> </ul>

## Conclusion

MOE has found that the ICT affordances of iHTs do facilitate students in the use of Inquiry.

The iHTs tend to support some elements of inquiry more than others (e.g. Evidence-based).

**GET STARTED WITH iHTs**