Trail Shuttle
Create Your Own Interactive Learning Trail
Trail Shuttle – At A Glance

Web-based Design Toolkit

Exploring App (Student)

Monitoring App (Teacher)
Trail Shuttle – At A Glance

Step 1: Create
- Design using web browser
- Multimedia tasks can be included
- Publish instantly, over the cloud infrastructure

Step 2: Experience / Monitor
- Outdoor and Indoor learning trail
- Exciting Augmented Reality features

Step 3: Generate Report
- Individual reports can be generated immediately
An interactive learning trail solution
Also a content delivery platform
Multi-platform application created for ‘Digital Natives’
Developed in collaboration with one of the FutureSchool@Singapore
Empowers, excites and encourages students to be self-directed learners (active content creators instead of passive content consumers)
Trail Shuttle – Affordances

Usage
- Indoor and outdoor trails for Inter-disciplinary Instructional-Programme (IP) subjects, blended with Non-IP subjects such as National Education, Values and Civics and Moral, Financial Literacy and more
- School orientation programme, VIP visits, open house
- Staff team building activity
Benefits

- Empowers teachers and students to create & edit content conveniently, anytime and anywhere
- Engages students through its interactive elements and Augmented Reality features
- Allows students to learn in authentic environment
- Allows students to learn at their own pace
- Promote self-directed and collaborative learning among students
- Contents can be packaged to suit various learning abilities and styles
Trail Shuttle Mobile Application:
- iOS devices: iPads, iPhones, iPod Touch (Apple AppStore)
- Windows phones: LG Optimus 7, HTC Radar & Nokia Lumia series (Windows Marketplace)

Trail Shuttle Web-based Toolkit:
- Google Chrome and Internet Explorer 9
- www.trailshuttle.com
Trail Shuttle – Users

Primary Schools
- Blangah Rise Primary School
- Cantonment Primary School
- Coral Primary School
- Fairfield Methodist School (Primary)
- New Town Primary School
- Pei Tong Primary School
- Queenstown Primary School

Secondary Schools
- Beatty Secondary School
- Bowen Secondary School
- Clementi Woods Secondary School
- Crescent Girls’ School
- Edgefield Secondary School
- Fairfield Methodist School (Secondary)
- Kent Ridge Secondary School
- Mayflower Secondary School
- Nan Hua High School
- Northbrooks Secondary School
- Outram Secondary School
- Mayflower Secondary School
- Queensway Secondary School
- Temasek Secondary School
## Trail Shuttle – Schools Use It For:

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>TOPIC/ CATEGORY</th>
<th>VENUE</th>
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<tbody>
<tr>
<td>Primary</td>
<td>Language and Arts &amp; Culture</td>
<td>Chinese Garden</td>
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<tr>
<td>Primary</td>
<td>Heritage</td>
<td>Botanic Garden</td>
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<tr>
<td>Primary</td>
<td>Food &amp; Nutrition and Math</td>
<td>Cold Storage</td>
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<tr>
<td>Secondary</td>
<td>Heritage</td>
<td>Civic District</td>
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<tr>
<td>Secondary</td>
<td>Math</td>
<td>Changi Airport</td>
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<tr>
<td>Secondary</td>
<td>Arts &amp; Culture</td>
<td>Haw Par Villa</td>
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<td>Secondary</td>
<td>Financial Literacy</td>
<td>Singapore Flyer</td>
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<tr>
<td>Secondary</td>
<td>Science</td>
<td>Labrador Park</td>
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National iTrail Challenge (NiTC) 2012
- A nation-wide competition where students created community-based learning trails using the Trail Shuttle web-based toolkit
- Supported by MOE, People’s Association & Microsoft Corporation
- Close to 400 students from 55 local schools participated
Chiang Mai Zoo Trail 2012

- A pilot programme for Thai students in Chiang Mai
- In collaboration with Chiang Mai University
- 30 primary schools students went for learning trail at Chiang Mai Zoo using the Trail Shuttle mobile app
- The trail content, based on Thailand’s 8 core subjects, were created by their Ministry of Education educators
- It was the first time the students went for such ICT-enabled learning trail and they enjoyed it
Trail Shuttle – In The News

Springwise, 10 February 2012

SGEntrepreneurs, 31 January 2012
Trail Shuttle lets students create their own interactive learning trails

January 31, 2012 by Terance LEE

As a student, I used to remember visiting places like the Singapore Science Centre where I would be given worksheets to do as part of a learning trail. Many of us would scarcely bother with the worksheets — since filling in the blanks wasn’t exactly our idea of fun.

I can’t imagine how fortunate today’s students are, especially with apps like Trail Shuttle, which allows students to participate in interactive learning trails.

Developed by Singapore-based game product development company Rockman, Trail Shuttle consists of three components: A web-based toolkit that allows users to create their own learning trails, a mobile Exploring app that allows students to experience these trails, and a mobile app for teachers to monitor student activity real-time via a map.

The Exploring app has the following features:
- An augmented reality way-finder and scanner to unlock tasks
- Ability to consume images, videos, and audio, as well as upload them
- Learning trails are available through the cloud, which means no need to download new trails.
- Quizzes to test student’s knowledge
- Chat feature
- Ability to check in at hotspots

Through the use of technology, Trail Shuttle has the aim of promoting collaboration between students, developing creativity, as well as promoting self-directed and immersive learning. Students will get a chance to design their own trails and set goals to accomplish. In total, about 15 schools are on board.

The app has been used in institutions like Crescent Girl’s School, which is part of a Singapore’s Ministry of Education called FutureSchools@Singapore. Schools under the program have enhanced diversity of educational offerings and greater integration of infocomm technology in their lessons.

That includes arming each student under the program with an iPad.

While I don’t think technology is a silver bullet that will suddenly make lessons more engaging and productive, such developments do widen the exposure that students have with technology. And that can only be good for the tech industry.
To request for a Trail Account or for more information, please contact:

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