

## Teacher Preparation Workshop – XO-1

School/Institution: St. Andre's, Hinche, Haiti

Grade/Level: Teacher Training (60 minutes)

Language: English

Course: Teacher Training – Using the XO Laptop – Part 1

Unit: Activities on OLPC

Lesson: Record Activity

**Key** = TT (teacher trainer); HT (teachers); TWBAT (teachers will be able to); HTWBAT (Haitian teachers will be able to)

### Objectives

Content Objectives	Language Objectives
<ol style="list-style-type: none"><li>1) HTWBAT navigate through the Record Activity</li><li>2) HTWABT articulate possible uses for Record in the classroom</li><li>3) HTWBAT navigate and use program functions to take pictures, record video, record audio, stop-motion photography, time-lapse photography, create 360 panorama, view slid shows, store info. About audio, video, and pictures.</li><li>4) HTWBAT articulate the importance of technology beyond the classroom</li></ol>	<ol style="list-style-type: none"><li>1) HTWBAT understand/use imperative verbs common to CALL instruction using the Record Activity</li><li>2) HTWBAT understand/use a range of adverbs (time/manner/place/reason) common to CALL instruction using the Record Activity</li><li>3) HTWBAT understand instructions important in recording audio and video and taking pictures.</li></ol>

### Materials

- XO Laptops (charged and access to electricity)
- Electrical Cord
- Chalk and chalkboard
- Projector (if available)
- Notebook/writing utensil for each teacher

### Procedures

Pre-Activities: Description	Time Frame	Objective(s) Targeted
<p>Introduce Recognize Activity to teachers</p> <ul style="list-style-type: none"><li>• HTs share their experience recording audio/video and taking pictures with other programs using other operating systems (Linux, GNU, Microsoft Windows, Mac OS X, etc) or devices.</li></ul>	3 Minutes	CO 4 CO 2

<b>HT familiarity with technology</b> <ul style="list-style-type: none"> <li>Terminological comprehension check</li> </ul>	2 Minutes	CO 1 LO 1 LO 2
<b>Collaborative activities:</b> Description (individual or pair work)	Time Frame	Objective(s) Targeted
<b>Starting Record</b> <ul style="list-style-type: none"> <li>TT demonstrates how to start the Record Activity from the Home View or from the List View. TT demonstrates the Home View first.</li> <li>TT demonstrates selecting the ‘eye’ icon to start the Record Activity. Note: the icon might not be in the same place on all machines. If you do not see the icon at all then you should go to the List View. To do this click the icon that looks like five parallel lines at the top right of the Home View. (individually or in pairs)</li> <li>TT demonstrates how to navigate the list of Activities: TT should down the list until you see the Record Activity. You can then do one of two things. You can click the star to the left. This adds the Record Activity to the Home View and then you can return to the Home View by clicking the Home View icon.</li> <li>TT demonstrates how to start the activity in the way described above. However, if you do not wish to add Record to the Home View then just click the eye icon in the List View and Record starts immediately (it takes a little time to start up).</li> </ul>	5 Minutes	CO 1 CO 3
<b>Overview of Record</b> <ul style="list-style-type: none"> <li>TT demonstrates how the Record Activity can be used to record three types of media: <ol style="list-style-type: none"> <li>Photographs</li> <li>Videos</li> <li>Audio Recordings</li> </ol> <p>Note: For machines running Sugar, the XO should come with a camera and a microphone built in. These features allow you to create and share your own media. The Record Activity is a useful piece of software to help you make the most of your media creativity. (If there is no camera you will be unable to take pictures/record video)</p> </li> <li>TT explains that when Records starts up, Activity UI should appear</li> <li>TT explains how HT can use this UI to create, save and share a variety of media. The process of recording</li> </ul>	5 minutes	CO 1 CO 2 LO 1 LO 2

<p>photos, videos and audio is remarkably similar. TT goes through the individual properties of each type of media recording, but make sure to read the photo section first because it has many controls that are shared in audio and video (and so are not repeated for brevity).</p>		
<p><b>Taking and Manipulating Photos</b></p> <ul style="list-style-type: none"> <li>• After launching Record, TT will guide the HTs through using the Record Activity to help HT take photographs. TT should highlight and explain some of the key controls available in the main photo tab:             <ol style="list-style-type: none"> <li>1. Photo tab: if highlighted it means that the Record Activity is in photo capture mode and all of the controls you see in the toolbox and main window reflect this.</li> <li>2. Timer pull-down menu: allows HT to choose among three options: "Immediate", "5 Seconds", and "10 Seconds". TT explains that delaying the timer can be useful if HT wants more time to get to the right pose before the Record Activity takes a snapshot.</li> <li>3. TT explains that HT they should see a double arrow at the top right corner of the picture window. This arrow puts record into full screen mode, where everything is hidden but the picture window and the record button (item 4 below). In full screen mode, HT can navigate the pointer to the top right corner and a similar icon pops up to allow you to return to normal mode.</li> <li>4. Record button: This is the button that tells the Record Activity to start recording. In photo mode, Record takes a snapshot of whatever is in front of the camera.</li> <li>5. Tray: The area between the left and right arrows is called the tray. It is where previously recorded items are placed so that you can look at them later on.</li> </ol> </li> <li>• TT demonstrates how to take a photo and explains that it shows up as an icon on the tray. HT can click the</li> </ul>	<p>5 minutes</p>	<p>CO 3 LO 1 LO 2</p>

<p>icon to view the photo and to update metadata about the specific picture taken.</p> <ul style="list-style-type: none"> <li>• TT explains and demonstrates how the tray displays a history of your previously taken photos. TT clicks on a photo, to show how HT can name their own photo. TT explains that HT should also see the image taken by the camera (whatever the HT takes a picture of). TT draws attention to the small output window of what the camera sees (hopefully a happy colleague). TT shows that if HT clicks on this small window, they will return to the main photo screen from which they can take more pictures.</li> <li>• TT draws attention to the bottom right of the image where there is a little tab that allows the user to find out more information about the photo that was taken. TT should open the tab and demonstrate reading and entering new tags for the image, and discuss how this function provides information about when the picture was taken and by who. The output of the camera should be on the bottom left and the TT should demonstrate clicking this to go back to taking photos (HT should follow all procedures)</li> </ul>		
<p><b>Recording and Manipulating Videos</b></p> <ul style="list-style-type: none"> <li>• TT will guide HTs through clicking the “Video” tab, to show how the Record Activity then goes into video recording mode. Many of the details of the UI are very similar to recording photos: recorded videos show up in the tray at the bottom, HT can name and tag their videos just as they named and tagged photos, and you have many of the same UI controls for going in to full screen mode and navigating between video recording and viewing modes.</li> <li>• TT explains and demonstrates that the toolbox contains two specific control menus. Item 1 is a delay timer just like the one used on photo mode: it lets users delay the start of recording several seconds so can get ready in front of the camera. The duration menu (item 2) allows you to specify a maximum length for your video. In the current implementation, you can record videos of 2, 4 or 6 minutes.</li> <li>• Once ready to record, TT should demonstrate by clicking the button in the lower right hand corner of the video display. After TT and HT have finished</li> </ul>	5 minutes	CO 1 CO 3 LO 1 LO 2

<p>recording, they will see the video show up below the video frame. Note: it should be possible to record videos up to six minutes in length</p>		
<p><b>Recording and Manipulating Audio</b></p> <ul style="list-style-type: none"> <li>• TT will guide HTs through how to use Record Activity to also record Audio. To do so, TT simply goes to the Audio tab in the Activity. An image appears in the picture window, but that can only be saved as a snapshot to help identify their/your audio recording. As with the photo and video modes, the icon for recording shows up once you are done recording. You can click on this icon to edit the name and tags assigned to your new audio recording.</li> <li>• TT explains that the UI controls for audio recording are virtually identical to that of video recording. There are "Timer" and "Duration" controls in the toolbox that allow you to specify when and for how long voice is recorded. There is also a tray at the bottom of the Activity that allows the user to browse and view details of previously recorded audio.</li> </ul>	5 minutes	CO 1 CO 2 LO 1 LO 2
<p><b>Sharing Media</b></p> <ul style="list-style-type: none"> <li>• TT will guide the HTs through the process of how to share photos, video and audio recordings. TT should guide HT through the sharing media process. TT should instruct HT to select some form of media in the bottom tray. Then TT tells HT to select the activity tab on the left.</li> <li>• Next, TT should bring the HT attention to the text on the right that says "Share with" which is to the right of the drop-down menu. TT and HT should change the selection to "My Neighborhood"</li> <li>• Now, everyone looking at the Neighborhood View should be able to see each other's icon with an 'eye' (the Record Activity icon) next to it</li> <li>• TT explains that HT can now join each other's Activity and that they can share media with each other</li> </ul>	5 Minutes	
<p><b>Joining the Record Activity</b></p> <ul style="list-style-type: none"> <li>• After TT has guided the HT through the sharing media procedure using Record, TT will explain what "neighbors" need to do to join</li> <li>• To join, TT demonstrates/explains that from Neighborhood view, the HT need to click on the 'eye' icon next to their icons</li> <li>• TT instructs HT to then select "Join" and their Record Activity should open with other's images in their tray. Note: In the Record Activity, thumbnails of</li> </ul>	5 Minutes	

<p>photographs are shared. The photograph's frame is the same color as the XO icon of the person who took them (TT explains this to HT)</p>		
<p><b>Upload your photos to Wikimedia Commons</b></p> <ul style="list-style-type: none"> <li>• TT explains that users can upload photos to Wikimedia Commons for anyone to use. To do this, TT explains that the user must have some photos made using the Record Activity and then start the Browse Activity. <i>Note:</i> this is an optional activity and might be worth exploring provided there is HT interest.</li> <li>• In the case of interest, TT should guide HT through the process of editing pages on Wikimedia Commons which requires being logged into an account to upload files. TT explains that once the HT has a registered account on Wikimedia Commons, they can use that account on all Wikimedia projects. <ul style="list-style-type: none"> <li>○ TT should guide HT through the following procedures: <ul style="list-style-type: none"> <li>▪ Registering</li> <li>▪ Logging In</li> <li>▪ User links</li> <li>▪ Setting preference</li> <li>▪ Uploading your first file</li> <li>▪ Navigating the upload form</li> <li>▪ Other places to upload images/videos (e.g. Facebook, Flickr, YouTube, etc.)</li> </ul> </li> </ul> </li> </ul>	<p>5 Minutes</p>	
<p><b>Collaborative/Individual Activities:</b> Description</p>	<p>Time Frame</p>	<p>Objective(s) Targeted</p>
<ul style="list-style-type: none"> <li>• After having introduced and demonstrated the Record Activity functions and commands, the TT should stress the importance of using Record as a powerful means of self-expression, furthermore that using Record to record audio/video and take pictures is a meaningful to engage in a creative multi-modal learning.</li> <li>• To demonstrate the preceding notion, the HTs will use Record to individually complete an activity that their students could do in the classroom such as: <ul style="list-style-type: none"> <li>○ Use Record their own voice</li> <li>○ Take a photo of some element of the classroom and then describe it</li> <li>○ Record a conversation with a colleague</li> <li>○ Take and add pictures to a story using Write</li> <li>○ Upload a picture to Flickr or Wikimedia</li> </ul> </li> </ul>	<p>15 minutes</p>	<p>CO 1 CO 2 CO 3 CO 5 LO 1 LO 2</p>

<p style="text-align: center;"><b>Commons</b></p> <ul style="list-style-type: none"> <li>• Then the TT will instruct the HT to share what they created and to explain the process of how they created art using the turtle commands.</li> <li>• Upon completion of the student exercise simulation activity using Record, HT and TT will engage in a post-activity discussion and share their experience using Record, and how the activity could be incorporated into their classes.</li> </ul>		
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**Assessment**

- Informal formative assessment of teachers, using a checklist, based on whether or not they contribute during training and their use of the laptops.

Teacher Name	Participation	Cont. Obj.	Lang. Obj.	Completion of tasks	Notes/Areas of Need

√+: exceeds expectations

√ : meets expectations

√- : needs improvement

**References**

<http://en.flossmanuals.net/write-activity/index/>