

STF Cascade District Training Agenda 2013 - 14 - Mathematics

<b>Day 1</b>					
<b>Topic</b>	<b>Time</b>	<b>Structure</b>	<b>Objectives/ Outcomes</b>	<b>Participants Work</b>	<b>Handout to participants</b>
Inauguration of workshop and sharing the agenda for the STF workshop	10.00 – 10.30	Introduction/ discussion	The objectives of the workshop. Understand agenda		1. Detailed Agenda
Participant Information Collection	10.30 – 11.00	Hands – On	Collection of participant information	Participants enter their information on a google doc	2. <a href="https://docs.google.com/forms/d/1GMGg">https://docs.google.com/forms/d/1GMGg</a>
Sending emails with attachments	11.00 – 1.00	Hands – On	Share with each other and the STF mailing list the resources and mind maps generated so far	1. Participants access email; RP will create email ID for those who dont have 2. Access STF emails 3. Attach files, compose message and send emails	3. Emailing hand-out
Lunch Break	1.00 – 2.00				
Internet is a resource for learning	2.00 – 5.00	Demo and hands-On	1. What is the internet? 2. How to access materials on internet? 3. How to use it for resources? 4. Different sources and perspectives of information. 5. Personal enrichment. 6. Internet allows us to learn more in different ways. 7. Skills of using internet	1. How to search on internet – address bar, search 2. Downloading files 3. Saving pages offline 4. Downloading images 5. Downloading videos 6. How to copy link and add in document? 7. Copyright and license	4. Various kinds of useful websites – List Hand-out on accessing and using a browser - address bar, navigation tools; window – scroll bar. 5. Hand-out for creating a meta document for a resource library
<b>Day 2</b>					
Mindmaps to connect and complete concepts	9.00 – 11.30	Group work	1.Using mindmaps to list the various concepts to be taught(not definitions) 2.Using mindmaps to navigate a topic.	1. Participants create a set of mind maps for exploring a topic 2. Using that mind map look for appropriate resources	6. Hand out for using Freemind, connecting nodes, making a set of mind maps, links and images
Image editing using GIMP	11.30 – 1.00	Hands – On	Editing photographs for size and resolution	1. Creating a set of 3 images for their topic	7. Simple GIMP tutorial.odt
Lunch Break	1.00 – 2.00				
Geogebra for classroom lessons	2.00 – 5.00	Demo and hands-On	Specific lessons to extend thinking about mathematics	1. Practice with Geogebra for specific lessons	8. <a href="http://www.spoken-tutorial.org/list_videos?vie">http://www.spoken-tutorial.org/list_videos?vie</a> 9. Lesson Plans using Geogebra files
<b>Day 3</b>					
The current context of the Class 9 textbook. What do we need? Organising resources	9.00 – 10.00	Presentation and group work	1. What are difficult areas? 2. How to look for resources – for teacher use, for classroom use. 3. What description to give for resource	1. List concepts/ areas of difficulty 2. What resources does teacher need – additional information 3. Activities for class	10. Textbook analysis framework – Mathematics

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Geogebra for classroom lessons	10.00 – 1.00	Demo and hands-On	Specific lessons to extend thinking about mathematics	1. Practice with Geogebra for specific lessons	
<b>Lunch Break</b>	<b>1.00 – 2.00</b>				
Introduction to KOER – how resources have been developed & how to use them for transacting.	2.00 – 3.30	presentation & discussion	1. What is KOER and how resources are arranged 2. Accessing KOER 3. Contributing to KOER 4. What is possible with KOER.	1. Resource Persons demonstrate and explain KOER	11. How to navigate KOER hand-out
Building personal resources for teaching	3.30 – 5.00	Group work	1. Build resource library for their use 2. Continue from previous day 1 – put it by file type and activity	1. Participants learn to access resources and compile for one concept	
<b>Day 4</b>					
Working with KOER	9.00 – 12.00	Group work	1. What is KOER and how resources are arranged 2. Accessing KOER 3. Contributing to KOER 4. What is possible with KOER	1. Participants must visit the KOER website for their topic 2. Look at resources arranged 3. Download a resource 4. Make suggestions and modifications 5. Send these modifications to STF	<a href="http://karnatakaeducation.org.in/KOER/en/index">http://karnatakaeducation.org.in/KOER/en/index</a> <a href="http://karnatakaeducation.org.in/KOER/index">http://karnatakaeducation.org.in/KOER/index</a>
CCE - Introduction to the concept, needs and strategies	12.00 – 1.00	Discussion	Present a framework for how we can develop CCE for mathematics		12. CCE Framework and Ideas – Mind Map and teacher resources on Assessment Portal. <a href="http://karnatakaeducation.org.in/KOER/en/index">http://karnatakaeducation.org.in/KOER/en/index</a>
<b>Lunch Break</b>	<b>1.00 – 2.00</b>				
Teachers share their personal digital libraries and assessment approaches for review	2.00 – 4.00	Group work	Review of activity contribution by groups	1. Participants must review and contribute resources to one other topic other than their own	
Uploading videos on youtube, photos on Picasa	4.00 – 5.00	Hands – On	Uploading videos and images	1. Upload one video/ image	13. Uploading on youtube and picasa
<b>Day 5</b>					
Advanced Text Processing with inserting images, links, headers, footers, heading. Review and Track Changes	9.00 – 11.00	Demo and hands-On	1. Creating documents with images, texts, etc 2. Formatting and simple layout	1. Participants must make a multi page document formatted on resource.	Hand-out for creating a meta document for a resource library (already handed out)
Review and discussion	11.00 – 12.00	Presentation and discussion	Review and finalisation of resource contributions	1. The reviewers of each topic must present their review comments	

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Continuation of the resource compilation work; adding resources for KOER	12.00 – 1.00	Hands – On	Continuation of resource work and contribution to the wiki	1. Participants must share their resource document created with STF 2. Participants must send atleast one activity to <a href="mailto:koer@karnatakaeducation.org.in">koer@karnatakaeducation.org.in</a>	
Lunch Break	1.00 – 2.00				
Feedback on process	2.00 – 3.00	Hands – On	Feedback on KOER and process	1. Participants must share feedback on googledocs	
Video Editing	3.00 – 4.00	Hands – On	Video Editing demo	1. Resource Persons demonstrate Open Shot	14. Hand out for Open Shot
Closing and way forward	4.00 – 5.00	Discussion	Discussion on way forward		Show the video “How the machine is using us - The Machine is using us - <a href="http://www.youtube.com/watch?v=NLIGopyX">http://www.youtube.com/watch?v=NLIGopyX</a>