Title: TouchCast in Education

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Wednesday, February 26, 14
TouchCast Teachers Training // Agenda

**Agenda:**

**Engaging with the YouTube Generation**
- How are children communicating and learning?
- What 21st Century skills should we be teaching our children?

**Introduction to TouchCast**
- What is TouchCast?
- How can teachers and students use it and benefit from it?
- Examples of best practices of TouchCast in Education
- What does the 21st Century classroom with TouchCast look like?

**Teachers Workshop**
- A step by step walkthrough of the TouchCast app
- Creating your first TouchCast
ENGAGING WITH THE YOUTUBE GENERATION
How do children communicate and learn today?

• **Visual Search** – Until recently, most young learners used a textbook or an encyclopedia. Today, most students turn to the web first and increasingly search YouTube, even before Google.

• **Immediate Exploration** – Children have access to an almost infinite wealth of engaging online information to satisfy their curiosity.

• **Sharing 24/7** – Children express themselves through digital sharing. They’re not only creators. With social media, they’re publishers and broadcasters.

• **Positive Social Feedback** – Children give each other virtual encouragement through ‘Likes’ (Facebook), ‘Hearts’ (Tumblr) and ‘Favorites’ (Twitter) and ‘Thumbs’ (YouTube).

• **Multiple Information Layers** – Children are engaged with many sources of information simultaneously.

• **Digital Articulation** – Children communicate in links, images, and video.
WHAT 21ST CENTURY SKILLS SHOULD WE BE TEACHING OUR CHILDREN?
Engaging with the YouTube Generation // 21st Century Skills

What 21st Century skills should we teach our children?
Aligned with Common Core Standards

<table>
<thead>
<tr>
<th>Information Literacy</th>
<th>TouchCast Advantages</th>
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</thead>
<tbody>
<tr>
<td><strong>Access and Evaluate Information</strong></td>
<td><strong>Easy Access to Various Types of Information</strong></td>
</tr>
<tr>
<td>• Access information efficiently (time) and effectively (sources)</td>
<td>• Vapps of web pages, YouTube, twitters, polls, etc.</td>
</tr>
<tr>
<td>• Evaluate information critically and competently</td>
<td></td>
</tr>
<tr>
<td><strong>Use and Manage Information</strong></td>
<td><strong>Use and Manage Information Creatively</strong></td>
</tr>
<tr>
<td>• Use information accurately and creatively for the issue or problem at hand</td>
<td>• Users can role-play, use a green screen, collaborate, and broadcast a lecture,</td>
</tr>
<tr>
<td>• Manage the flow of information from a wide variety of sources</td>
<td>debate, interview, or documentation process.</td>
</tr>
<tr>
<td></td>
<td><strong>Use Information from a Wide Variety of Sources that is Stored in One Place</strong></td>
</tr>
<tr>
<td></td>
<td>• Users utilize various Vapps that can be stored, managed, and accessed all in one place.</td>
</tr>
</tbody>
</table>

SOURCE: Institute of Museum and Library Services 2012
Engaging with the YouTube Generation // 21\textsuperscript{st} Century Skills

What 21\textsuperscript{st} Century skills should we teach our children?
Aligned with Common Core Standards

<table>
<thead>
<tr>
<th>Media Literacy</th>
<th>TouchCast Advantages</th>
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<tbody>
<tr>
<td><strong>Create Media Products</strong></td>
<td><strong>Create Interactive Video Broadcast Products</strong></td>
</tr>
<tr>
<td>• Understand and utilize the most appropriate</td>
<td>• Allow active learning experiences by creating</td>
</tr>
<tr>
<td>media creation tools, characteristics, and</td>
<td>Media Products that require a production</td>
</tr>
<tr>
<td>conventions</td>
<td>process with planning, organizing, and</td>
</tr>
<tr>
<td>• A new form of learning is born when students</td>
<td>understanding technical procedures</td>
</tr>
<tr>
<td>produce media around a theme and learn by doing</td>
<td></td>
</tr>
</tbody>
</table>

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Engaging with the YouTube Generation // 21st Century Skills

What 21st Century skills should we teach our children?
Aligned with Common Core Standards

<table>
<thead>
<tr>
<th>Information, Communication &amp; Technology Literacy (ICT)</th>
<th>TouchCast Advantages</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Apply Technology Effectively</strong></td>
<td><strong>Apply Technology Effectively by</strong></td>
</tr>
<tr>
<td>• Use technology as a tool to research, organize, evaluate, and communicate information</td>
<td>• Using TouchCast as a tool to research information for learning assignments, organizing the content, evaluating self and peers, and communicating information in the classroom and outside</td>
</tr>
<tr>
<td>• Use digital technologies communication/networking tools, and social networks appropriately to access, manage, integrate, evaluate, and create information to successfully function in a knowledge economy</td>
<td>• Peer-to-peer learning through the video network.</td>
</tr>
<tr>
<td>• Become effective communicators of ideas and knowledge</td>
<td>• Using TouchCast to become effective communicators of ideas and knowledge by creating broadcasts that requires pre-production, scriptwriting, editing, self-evaluation and reflections.</td>
</tr>
</tbody>
</table>

SOURCE: Institute of Museum and Library Services 2012
INTRODUCING TOUCHCAST IN EDUCATION
Digital Storytelling
What is TouchCast?

- **Video-Web platform** – TouchCast is a user-friendly broadcasting tool to create interactive videos that can be used by students and teachers.

- **Turn Students into Broadcasters** – The easy video creation tools of TouchCast give students the opportunity to present and share their knowledge in a manner they have already embraced outside school.

- **Communication and Sharing** – Content is easily and safely shared between students and teachers, students and their classmates, and teachers and parents.

- **Tool for Assessment** – On playback, the technology provides immediate feedback to the student while delivering assessment metrics to the teacher, the school’s administration, and parents through a web-based dashboard.

- **Curriculum-Based Themes** – Lesson plans will be offered to guide teachers through creative uses of the tool, including building activities around the Common Core Standards.
HOW DO TEACHERS USE TOUCHCAST?
How do teachers use TouchCast?

• **Flipped Classroom** – Teachers create lecture-based TouchCasts that are consumed by the student outside the classroom. This frees classroom time for class discussion and other types of active, two-way learning.

• **Assignments** – From in-class activities to homework, assignments are given to students to create video compositions of varying modalities such as debates, lectures, role-playing, interviewing, and documenting activities.

• **Class Discussion** – Teachers use TouchCast to create online discussions with students where even shy students can showcase their voices through broadcast.

• **Assessment** – TouchCast facilitates teachers easily monitoring and assessing their students’ understanding of the subject matter by observing their output.

• **Communication** – Teachers and school administrators use TouchCast to exchange a variety of messages to their network, including general announcements, reports, tutorials, reminders, notes to sick students, etc.
flipped classroom
flipped classroom
communication

Teacher-student

School-wide

Class-wide

Students-parents

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Components for a TouchCast Lesson Plan:

- **A list of TouchCast formats** - Debate, lecture, documentation process, interviewing, etc.

- **A list of lesson themes** - The Time Tunnel (history), Travel Diary (geography), Election debates, News Channel (civic), The Lab (science), Book Report (literacy)

- **Tips for pre-production** – Checklist, planning, script writing, technical requirements, etc.

- **Tips for story telling and performance** - Suggestions for script writing formats (debate, lecture, documentation process, interviewing, etc), tips for creating best narratives
What are the benefits of TouchCast for teachers?

- **Meaningful Learning Experiences** – Allows teachers to easily incorporate active learning experiences in the classroom and at home, leading to more meaningful learning experiences.

- **Engaging Students** – By speaking their students’ language, teachers better engage their class in a fun way. Shy students can participate and learning turns more fun for everyone.

- **Real-time Assessment** – Through video playback, TouchCast allows teachers to easily monitor student progress.

- **Easy Communication** – Allows convenient and immediate communication inside and outside the classroom environment with students and parents.

- **Content Accessibility and Storage** – Allows simple digital storage of students’ and teachers’ TouchCasts, facilitating easy access and sharing.

- **Less Time Needed to Create Richer Learning** – TouchCast makes it easy for teachers to create content from various resources and different media formats.
A PLATFORM FOR STUDENT EXPRESSION
students lectures

History

English

Science

Math
role-playing
embodied learning experiences
self-assessment
collaboration
digital literacy skills
critical thinking skills
becoming better storytellers
self-expression
embodied learning experiences

Students are on camera, meaning they can’t fake their absorption of the class material. Students actively process the content through pre-production and their subsequent broadcast.
self-assessment

On playback, students can self-assess their learning in real-time through vApp interaction
Small groups can work together on their TouchCasts, facilitating collaborative skill growth
digital literacy skills

Students learn how to efficiently filter and absorb online resources and use this content to support references.
Lesson plans built around TouchCast utilize video creation as a catalyst for building arguments and deeper class discussion.
becoming better storytellers

Students hone their ability to communicate information effectively as video scales better than standard classroom mechanisms.
Children are comfortable using digital tools to express themselves; TouchCast embraces this interest and turns it into a learning environment.
IMAGINE THE TOUCHCAST CLASSROOM
The TouchCast Classroom Configuration

TouchCast Studio - A central area that functions as a virtual set via green screen, allowing the students to travel in space and time.

Equipment Kit
• Tripod, iPad, microphone, and headphone station
• Green screen - selection of backgrounds for themes
• Costume box - selection of costumes for role playing

TouchCast Group Sessions
• One iPad per group (2-6 children)
• Roles in a group: director, actors, lighting, makeup, wardrobe, sound, scriptwriter, editor, etc.

TouchCast Roaming sessions
• One iPad per group (2-6 children)
• Individual students
• Taking iPads outside classroom to create TouchCasts
equipment kits
to turn the class into
mini-production studios
each kit includes:
green screen
lights
sound equipment
tripod for iPads
costume box
students

can venture into

the real world

to observe

to interview

to capture

to share
pre-production involves researching reading and writing revising rehearsing
homework
involves
creating
consuming
conversing
collaborating
Educators are the catalysts and the driving force of shaping TouchCast for the important cause of creating meaningful learning experiences.

**Please join us today to be a TouchCast educational pioneer!**
We would love to receive your insight and feedback, as well as, answer any questions you might have.

Contact:
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edu@TouchCast.com

THANKS

www.touchcast.com

TouchCast was chosen by Apple as one of the best apps of 2013!
TouchCast is a foundational technology platform for the future of the #videoweb.

A TouchCast is a new kind of video that can encapsulate interactive elements within it: Web pages, documents, videos, pictures.

TouchCasts also contain clickable elements called Video Apps (vApps) - active HTML objects inside the video. They include maps, polls, Twitter streams, clickable headlines, photo galleries... almost anything developers can imagine.

Most importantly, TouchCast allows anyone from a first-time blogger to a movie studio - to create and watch stunningly multi-layered and hyperinteractive videos.

www.TouchCast.com