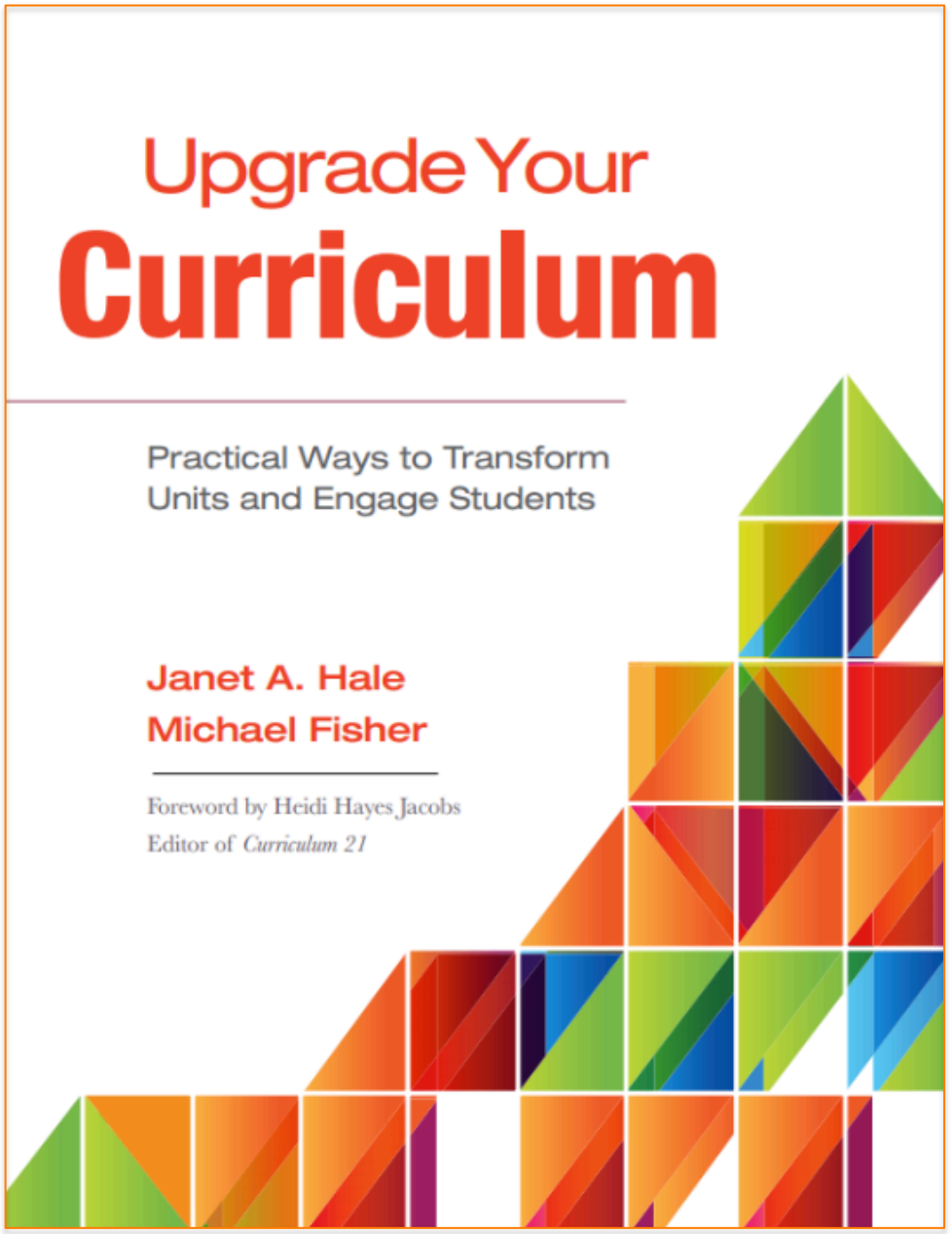
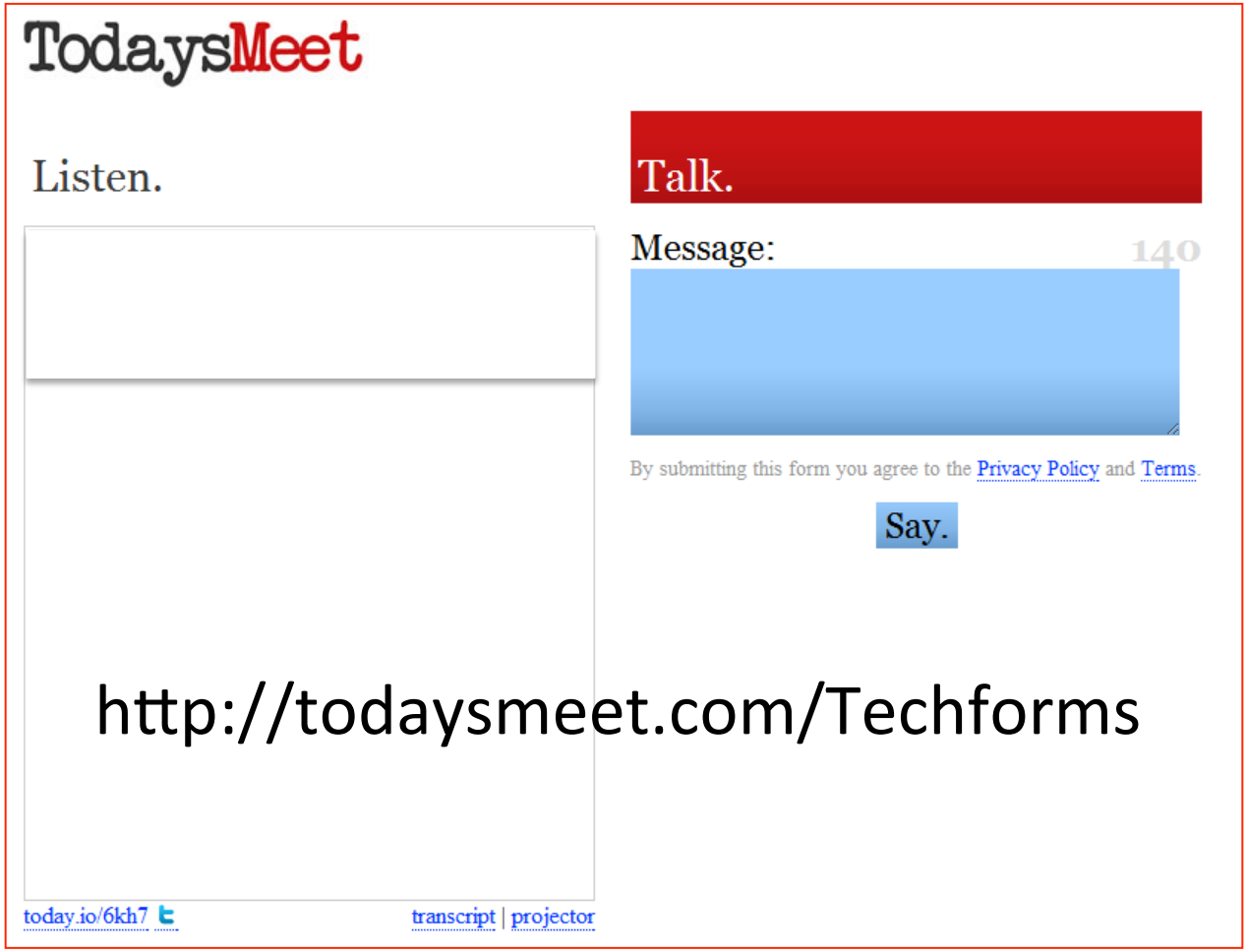
TECHformations:

Analyzing Curriculum and Instruction for Modern Learning

Michael Fisher


Upgrade Your
Curriculum
Practical Ways to Transform
Units and Engage Students
Janet A. Hale
Michael Fisher
Foreword by Heidi Hayes Jacobs
Editor of Curriculum 21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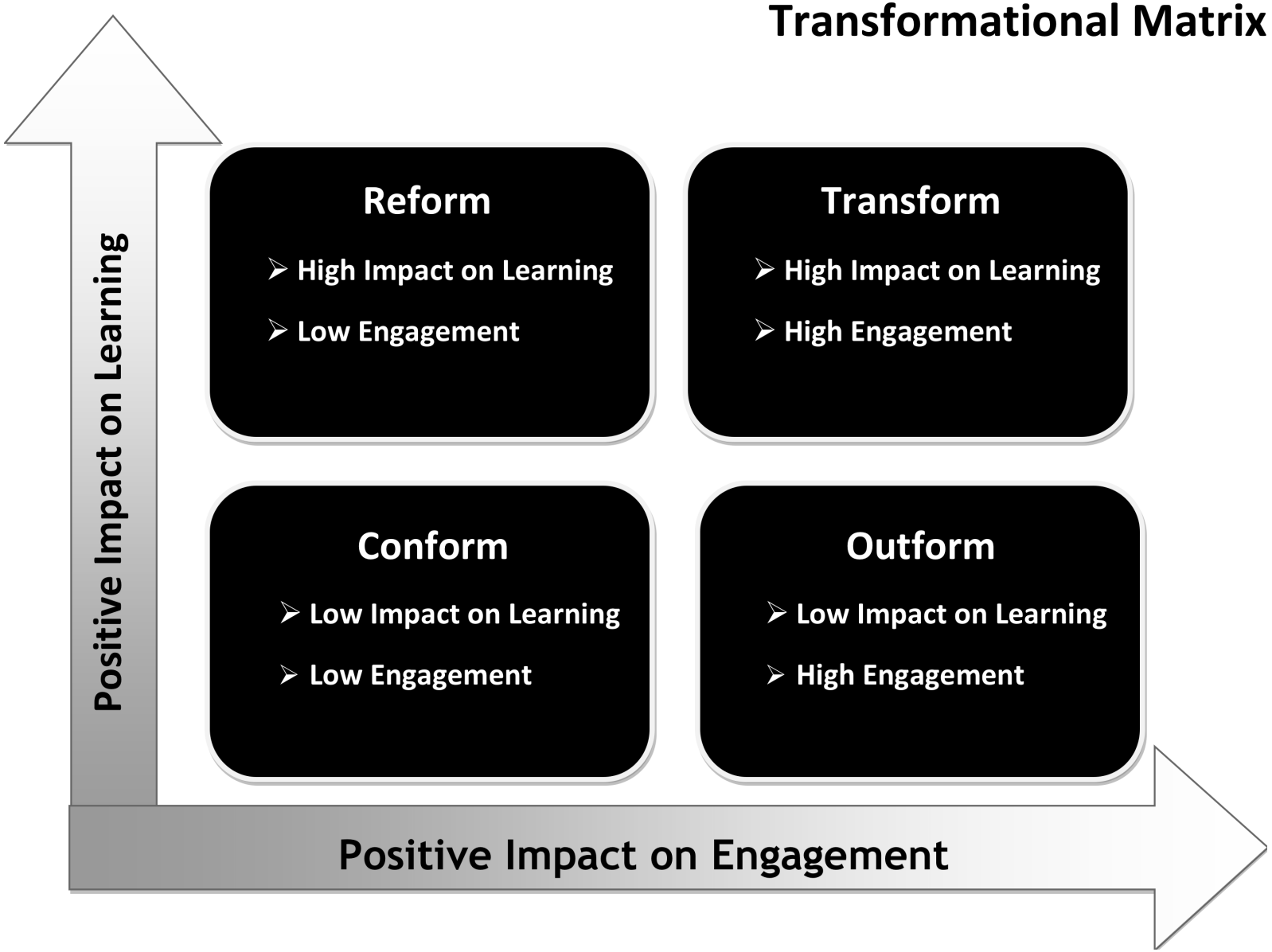
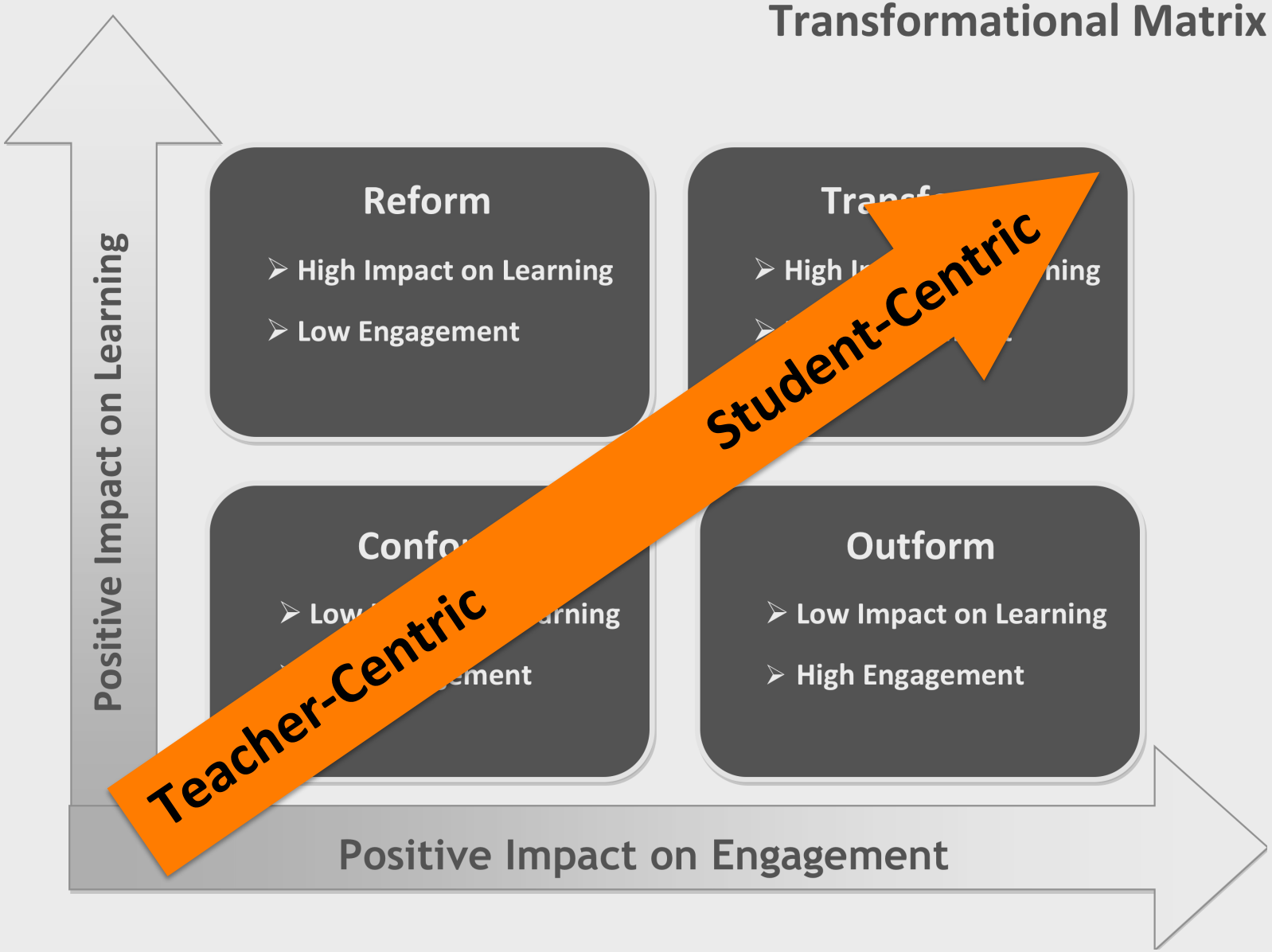
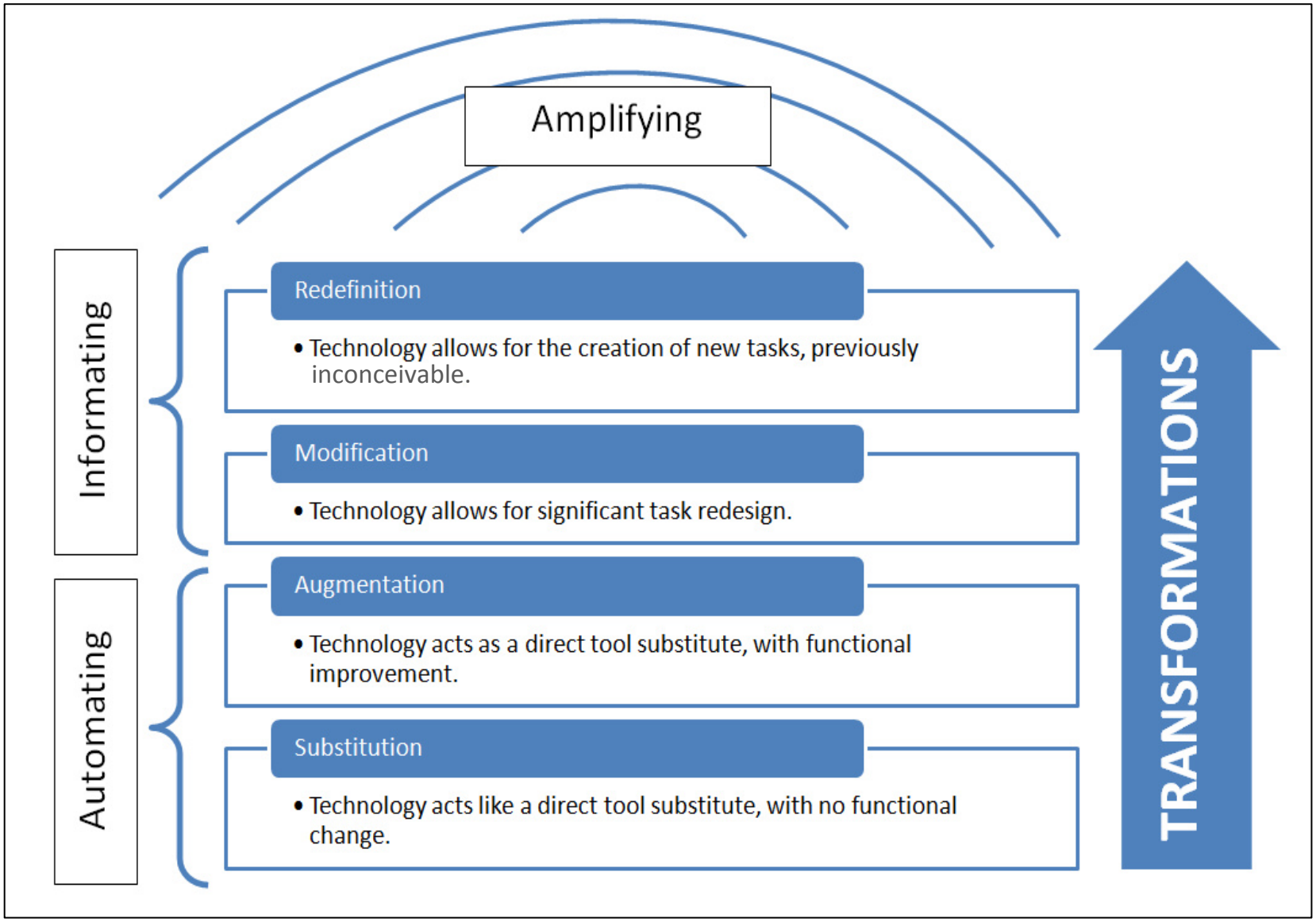
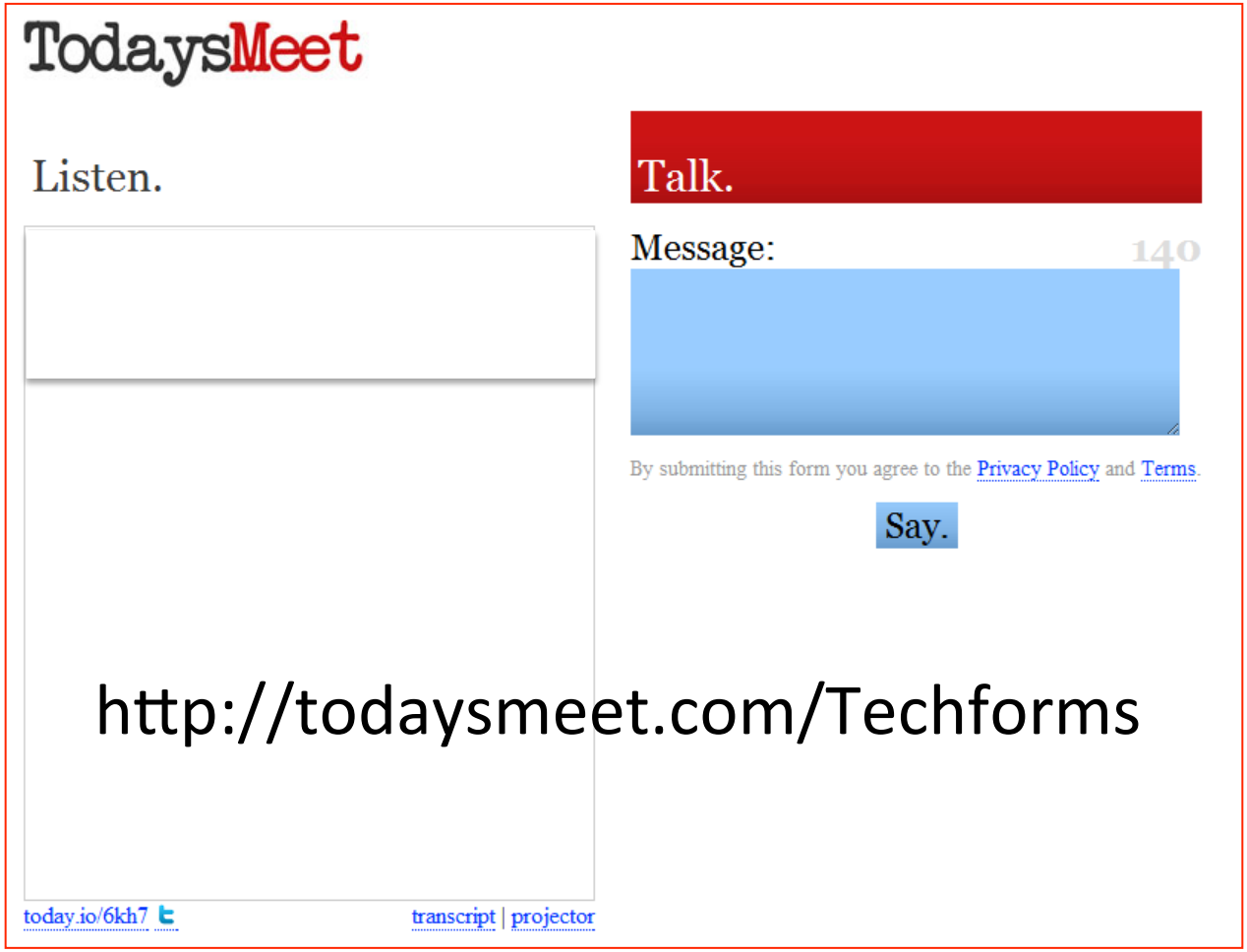
Transformational Matrix



Transformational Matrix




Amplifying
Informating
Automating
Redefinition
• Technology allows for the creation of new tasks, previously inconceivable.
Modification
• Technology allows for significant task redesign.
Augmentation
• Technology acts as a direct tool substitute, with functional improvement.
Substitution
• Technology acts like a direct tool substitute, with no functional change.
TRANSFORMATIONS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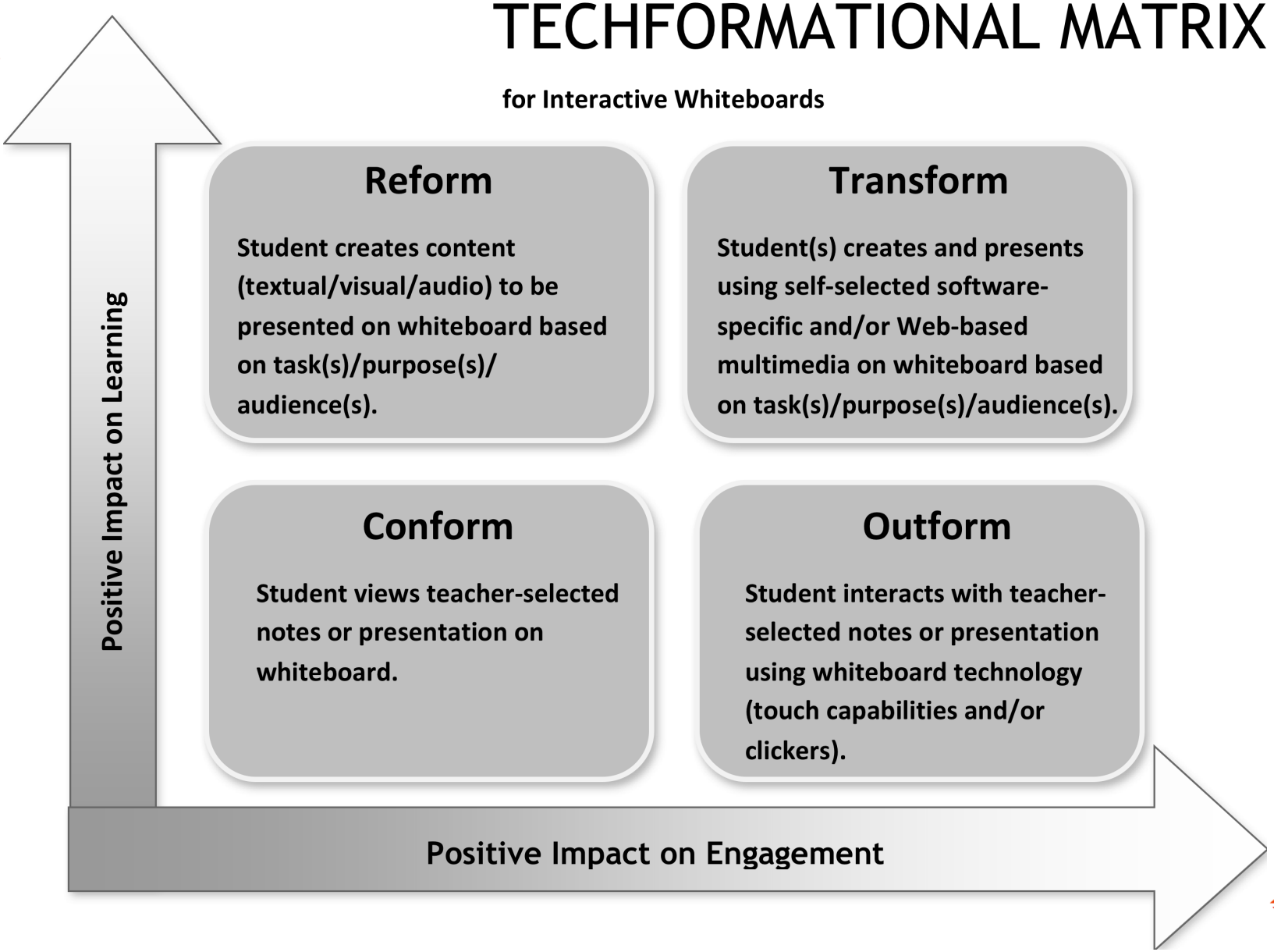
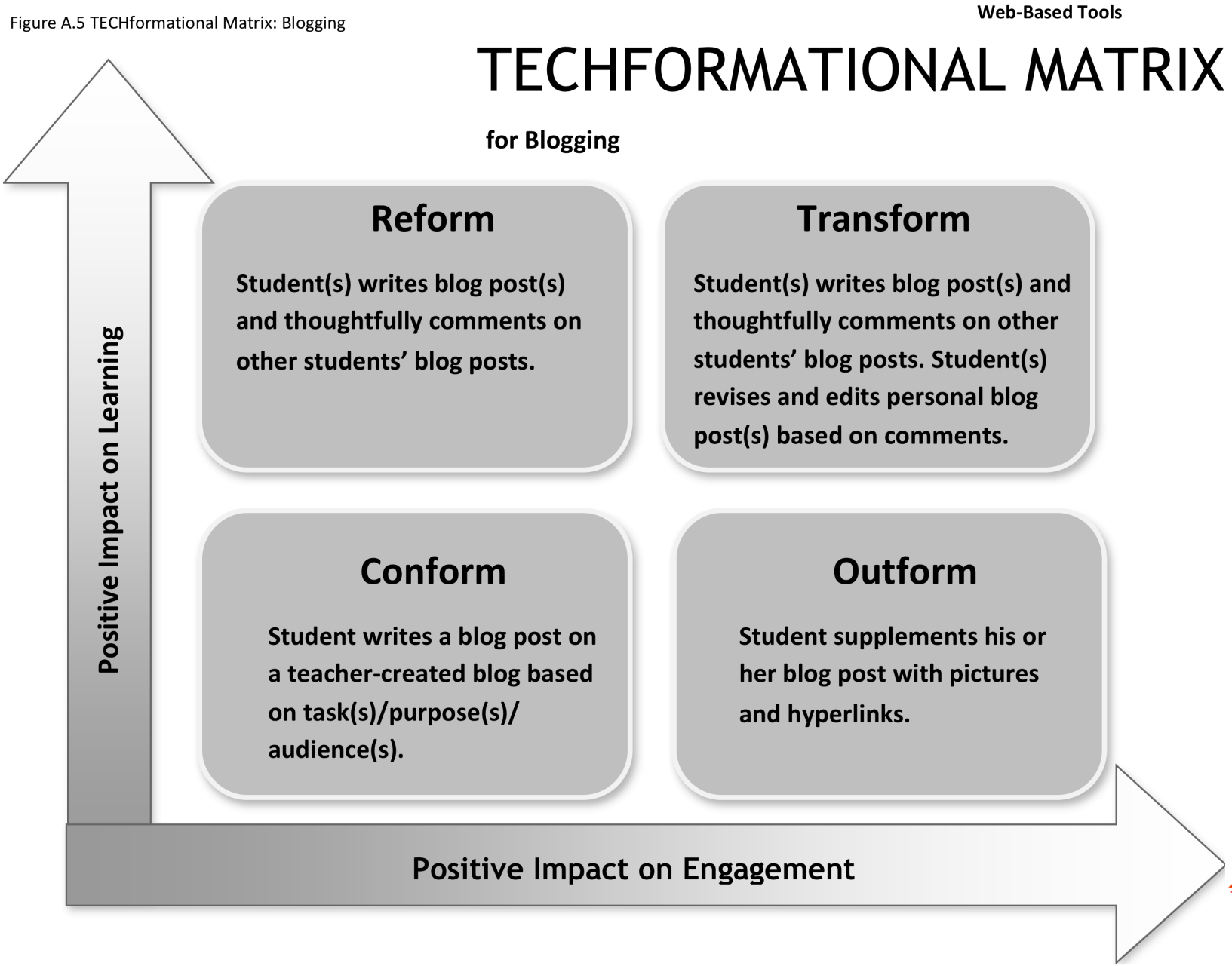
TECHFORMATIONAL MATRIX

for Interactive Whiteboards



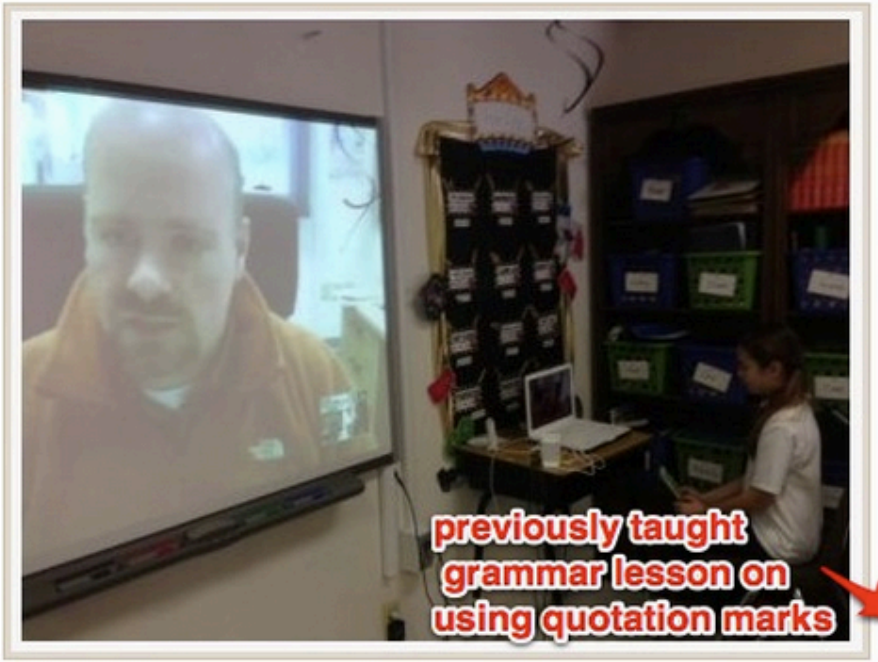
Picture from www.bonitatrust.org
More on Whiteboards: http://smartzone.wikispaces.com/

Figure A.5 TECHformational Matrix: Blogging



Additional Resources from Silvia Tolisano:

- Assessment in the Modern Classroom Series
- Blogging FOR your students



Reflection written by: Ayden I

Recently, we did a skype call with the poet Mike Fisher. We're illustrating some of his poems and we managed to get him to agree to a skype call.The first person he talked to was Orli because she was the introducer. Everyone had different jobs. Evan was our transitioner, so he introduced everybody.(except Orli) Zach M. and Noah were our tweeters. Ayden Eliana, and Ariella were working on notetaking on a Google Doc. Jagger was the photographer. Jeremy and Griff were bloggers. He answered some of our questions like, "Why is the *O* poem in the shape of an O?" We learned that the reason the O poem is in the shape of an O is because it was a suggestion from one of his high school teachers. Next, we learned some interesting facts about Mr.Fisher, including he lives in Buffalo, New York which is five minutes away from Niagara Falls. He also is writing a mystery novel for young adults. Our whole class learned a few new words including: collaboration, cryptic, and emphatic. We learned a lot about our poems and Mike Fisher. Have you ever created a poem? This is just the beginning. We have to market! We have to publish! We have to find out how much we will make! All of this is going to be hard, but it's going to be worth it in the end.

author's voice

We still have many decisions to make.

- **What should we name our book?**
- **How should we design the cover?**
- **What would be a reasonable price?**
- **Please respond and give us some feedback.**

conversation starters

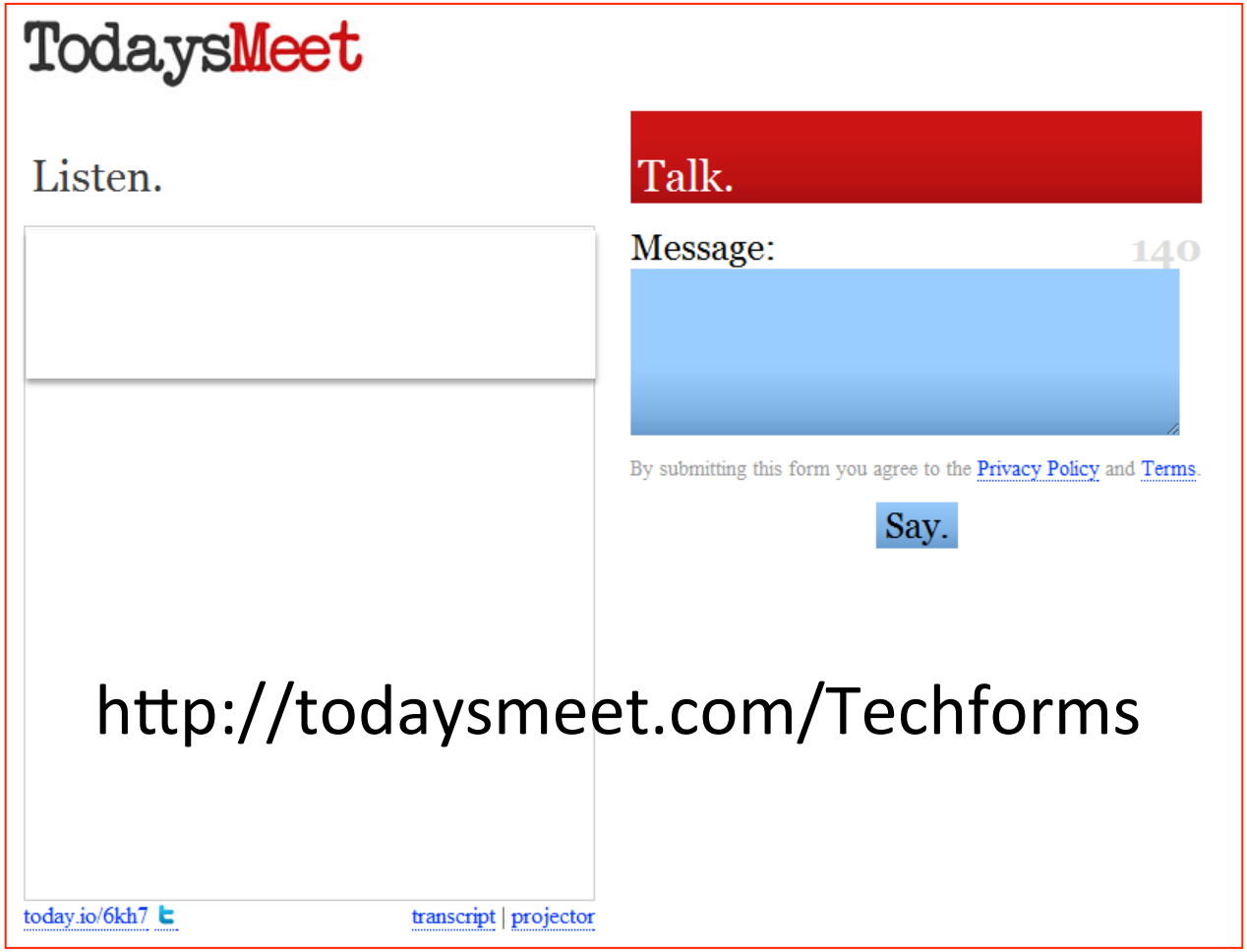

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Figure A.1 TECHformational Matrix: Digital Cameras

Digital Devices

TECHFORMATIONAL MATRIX

for Digital Cameras

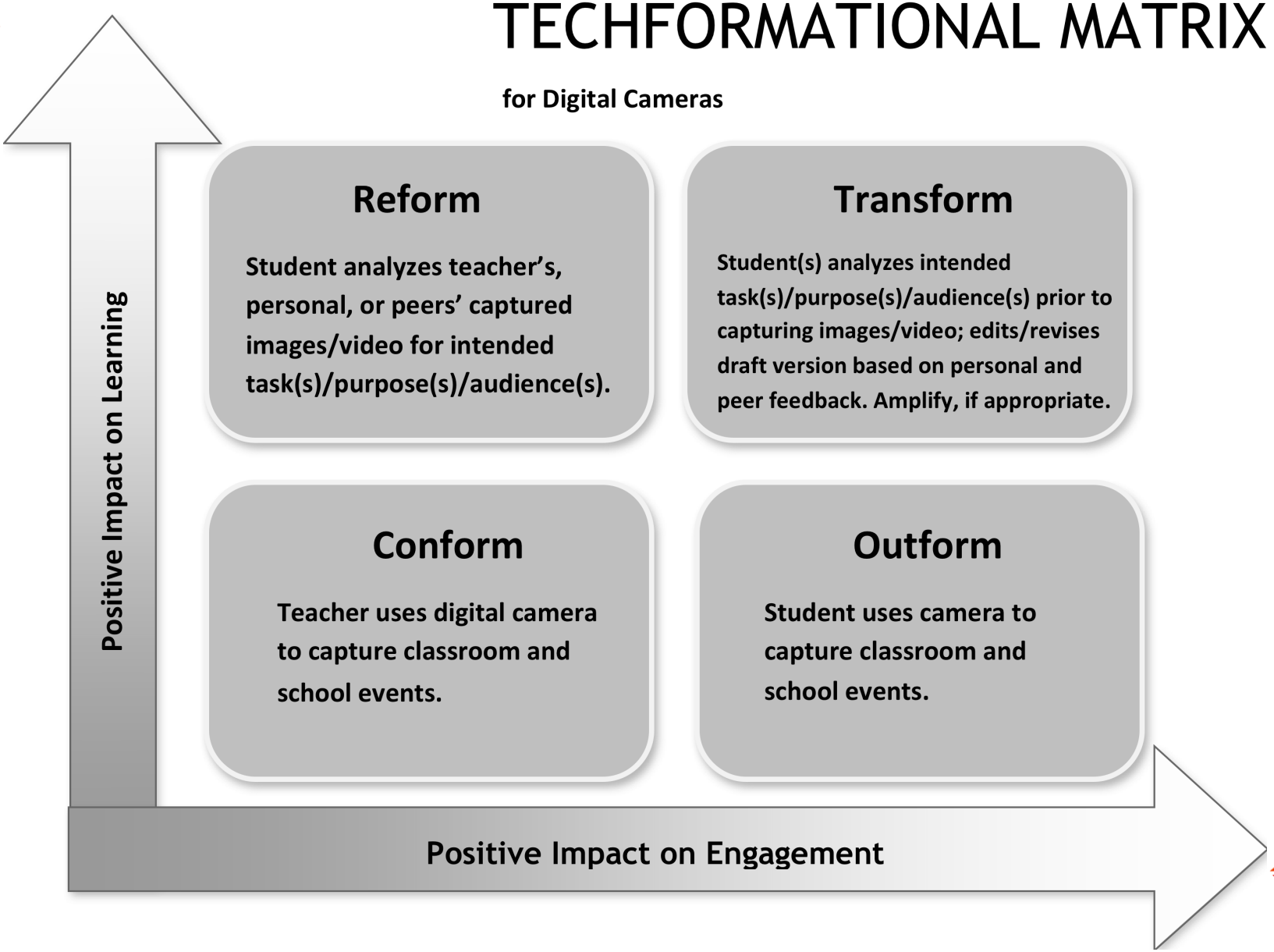
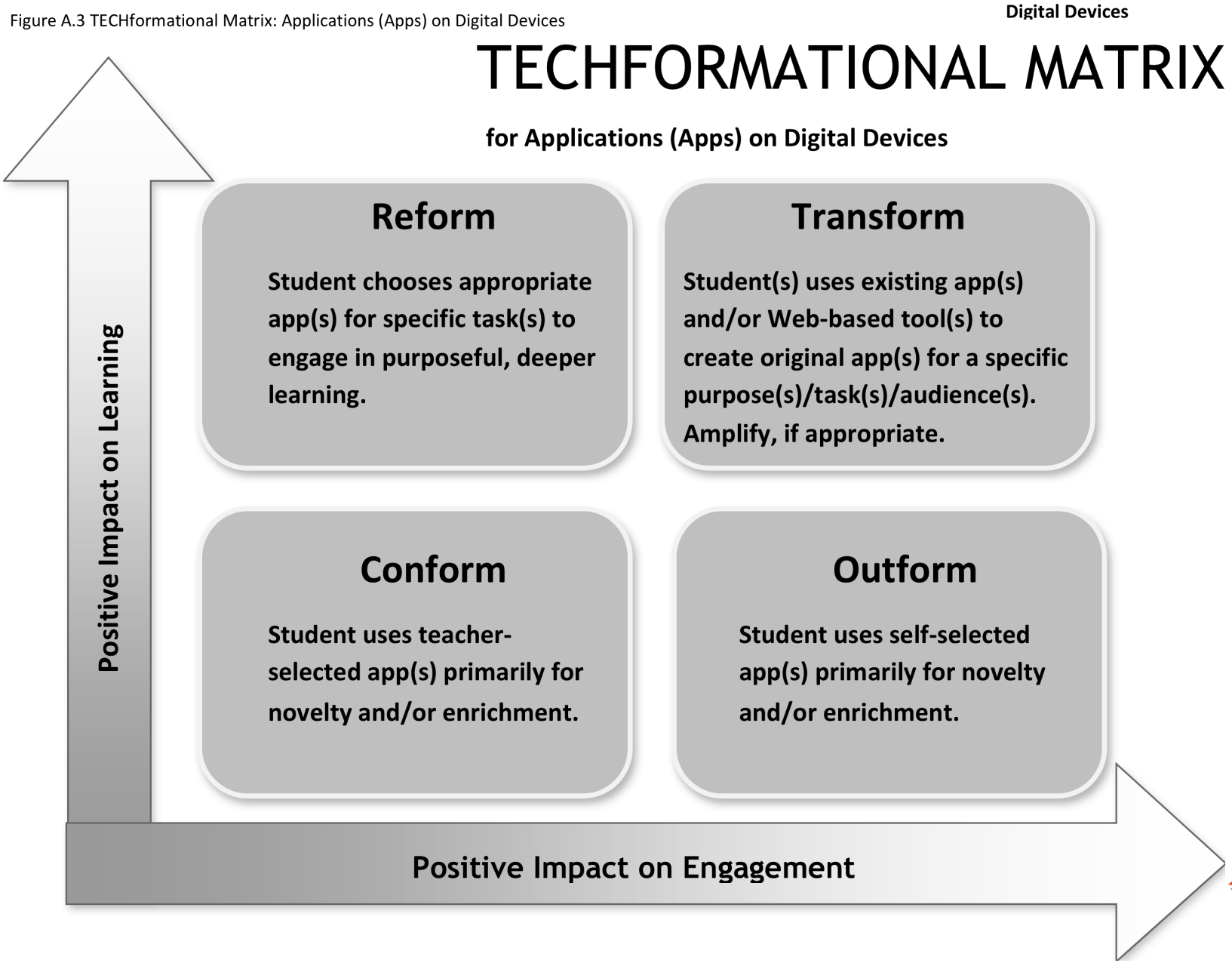


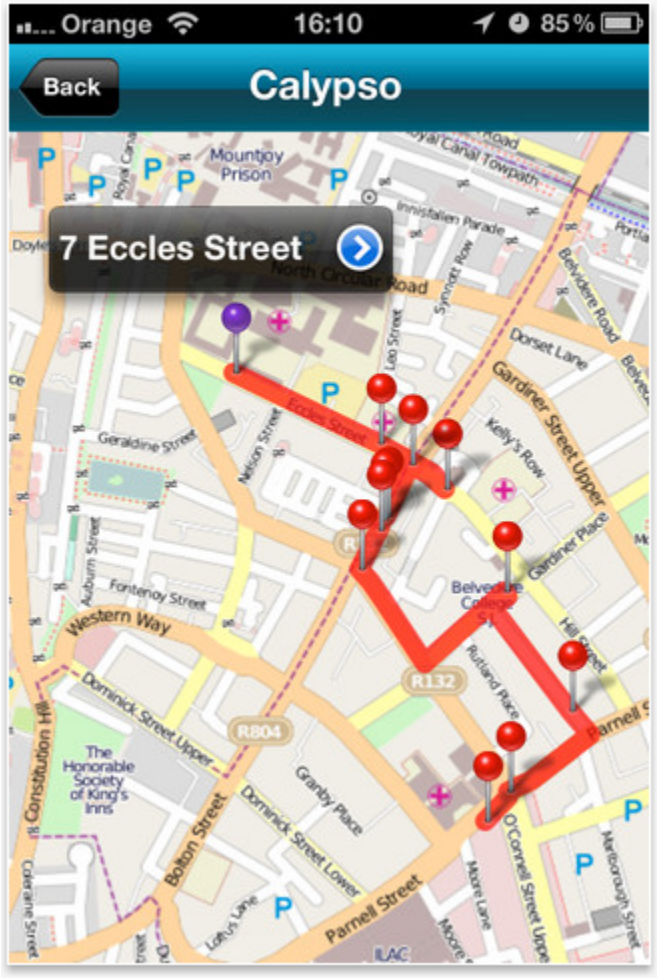
Photo purchased from Fotolia.com

Resources:

- Bill Sheskey's Chapter in Curriculum 21
- Craig Nansen's article on Education World

Figure A.3 TECHformational Matrix: Applications (Apps) on Digital Devices





[LINK TO JOYCEWAYS APP]

Yapp

Create your own mobile app.
For free.

Get Started Now

TAKE THE TOUR

DOWNLOAD A SAMPLE YAPP

Nathaniel D. created this Yapp in < 60 minutes
Student, New Haven, CT

[Link to YAPP.US]

Touch of Class '13

02.09.2013

Touch of Class '13 Yapp

To install, visit this page (http://my.yapp.us/BCVOCALMUSIC) on your mobile device.

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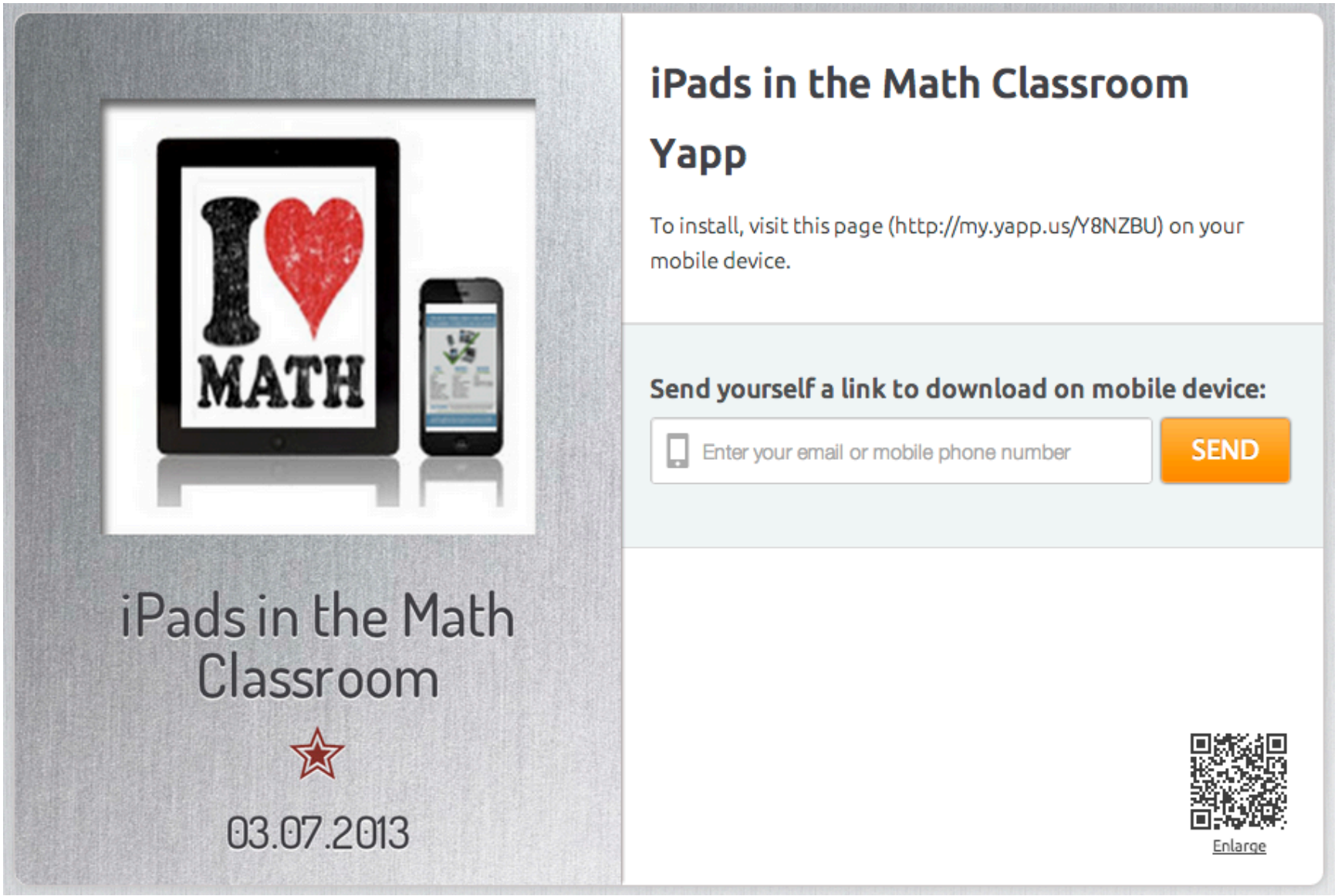
Enter your email or mobile phone number

SEND

Enlarge

[Link to YAPP.US]



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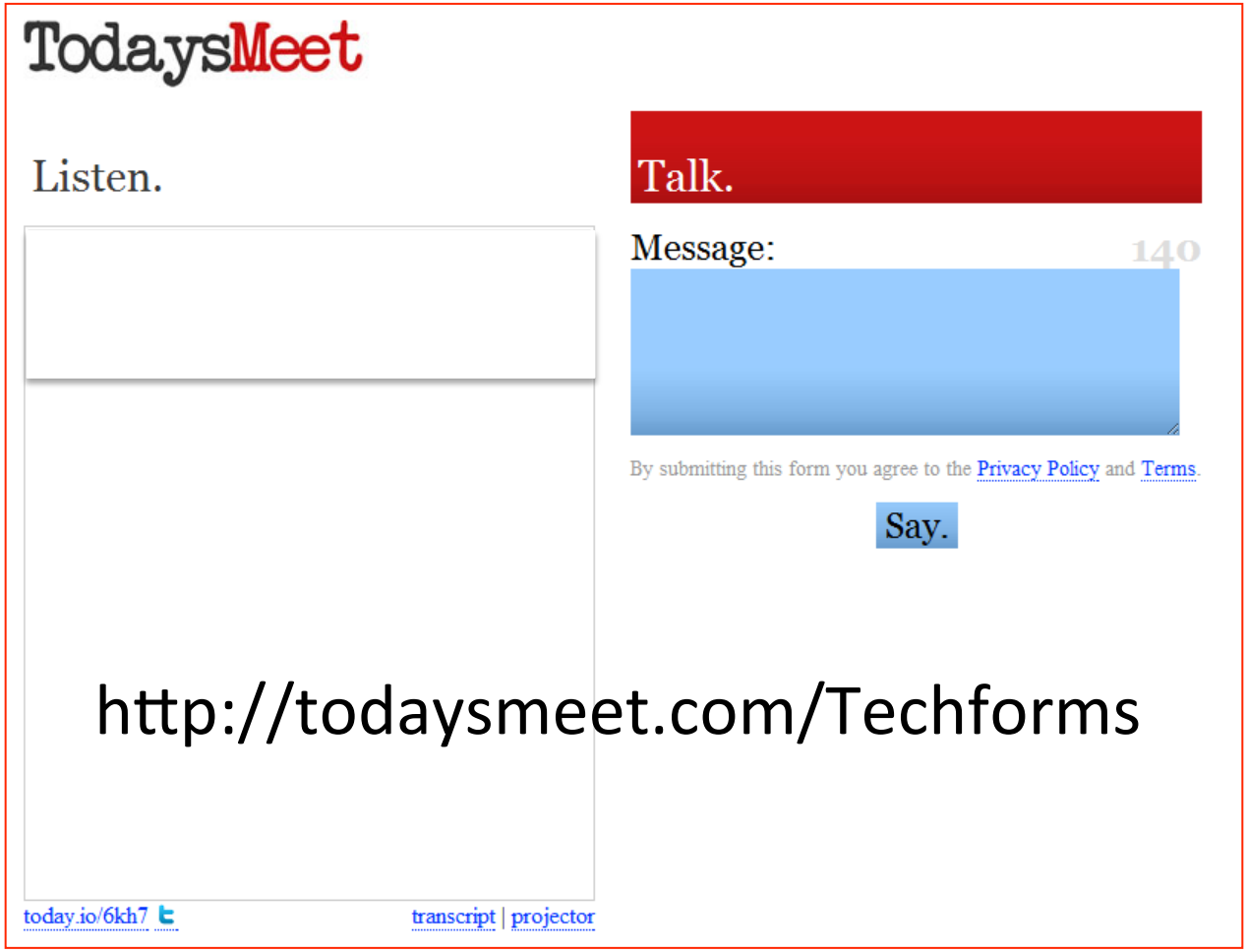
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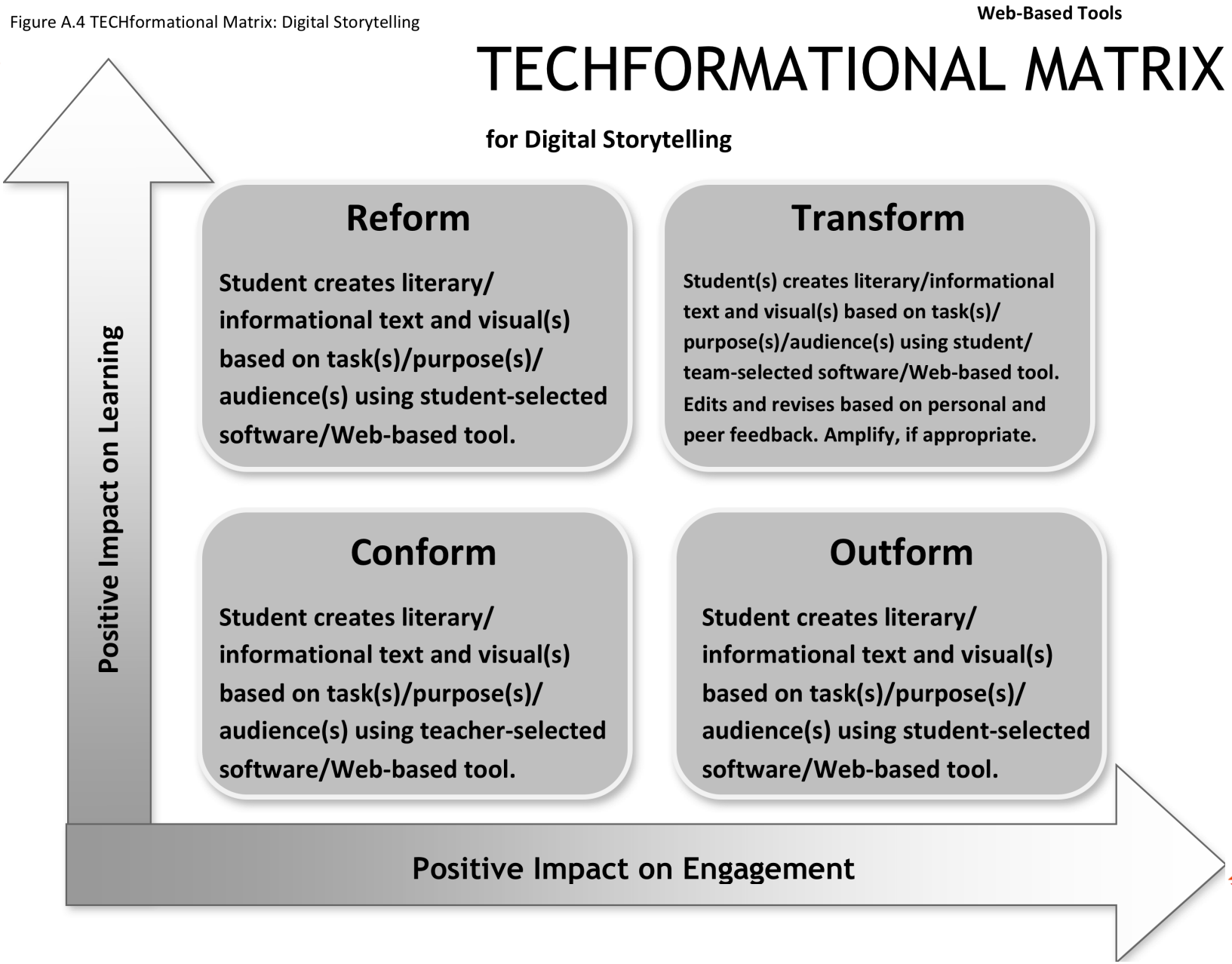
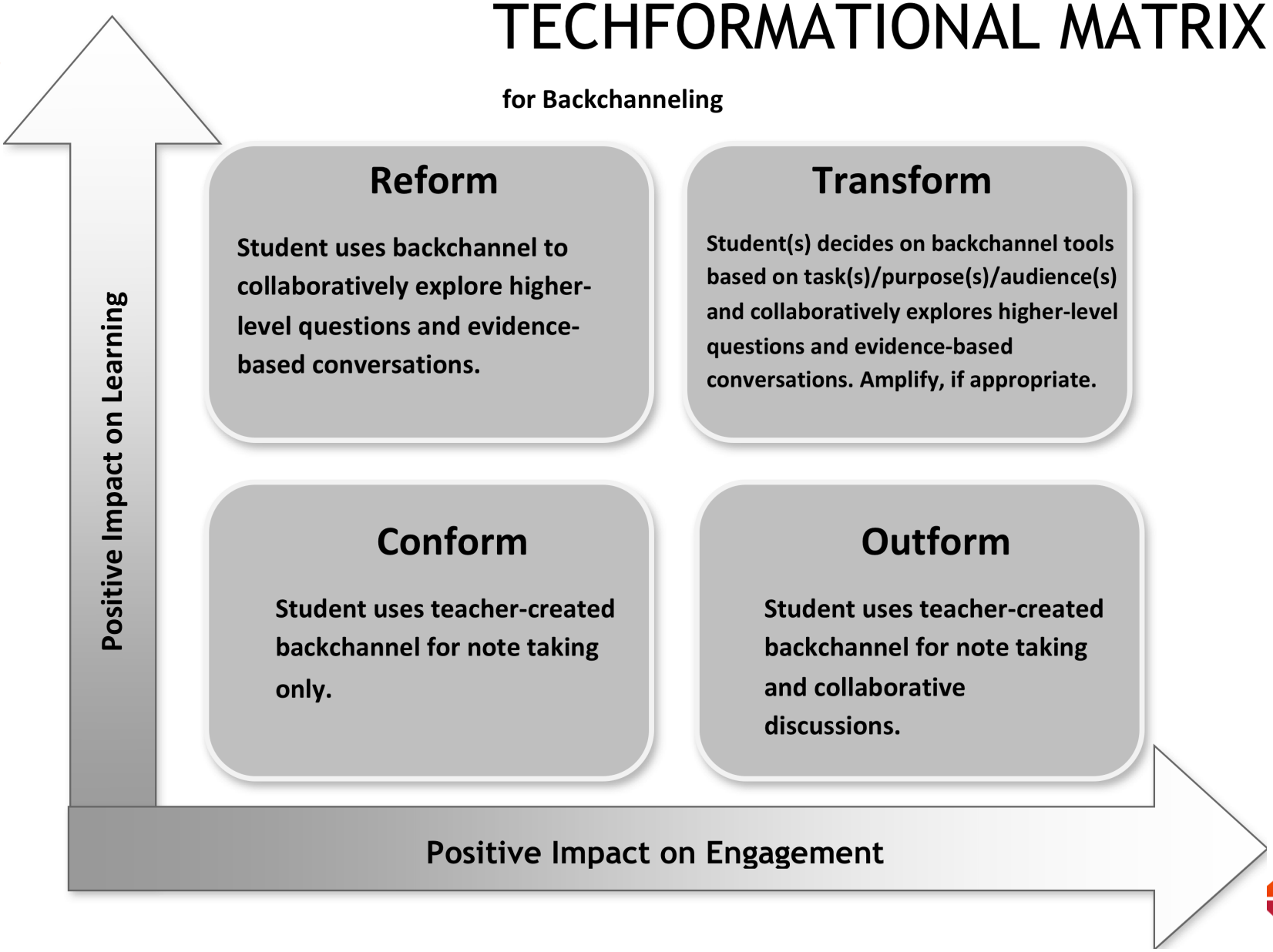
Figure A.4 TECHformational Matrix: Digital Storytelling



Butterfly Story
Butterfly Story
0:05 / 2:44
YouTube

TECHFORMATIONAL MATRIX

for Backchanneling



TodaysMeet

When Heidi did http://todaysmeet.com/Edjewcon I laughed cuz we did that...Reesa Z. at 14:02 PM, 30 Apr 2012 via web

4th Grade MJGDS @4thmjgds Jan 17

@fisher1000 told us to look up cryptic and I found it. It means hidden and secret. And I got the info from merriam-webster.com/dictionary/cry...

Expand

Full Transcript of Students' TodaysMeet

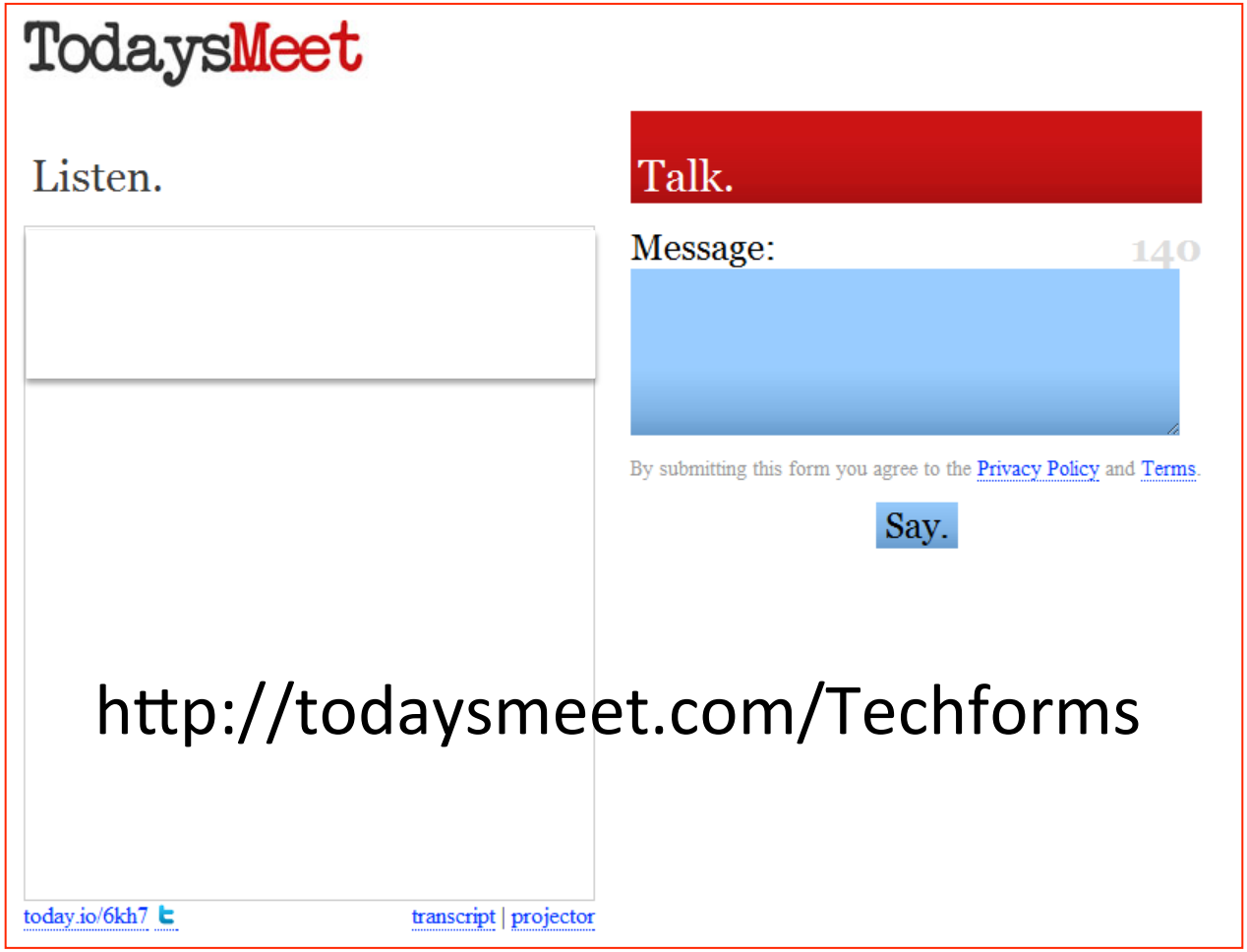

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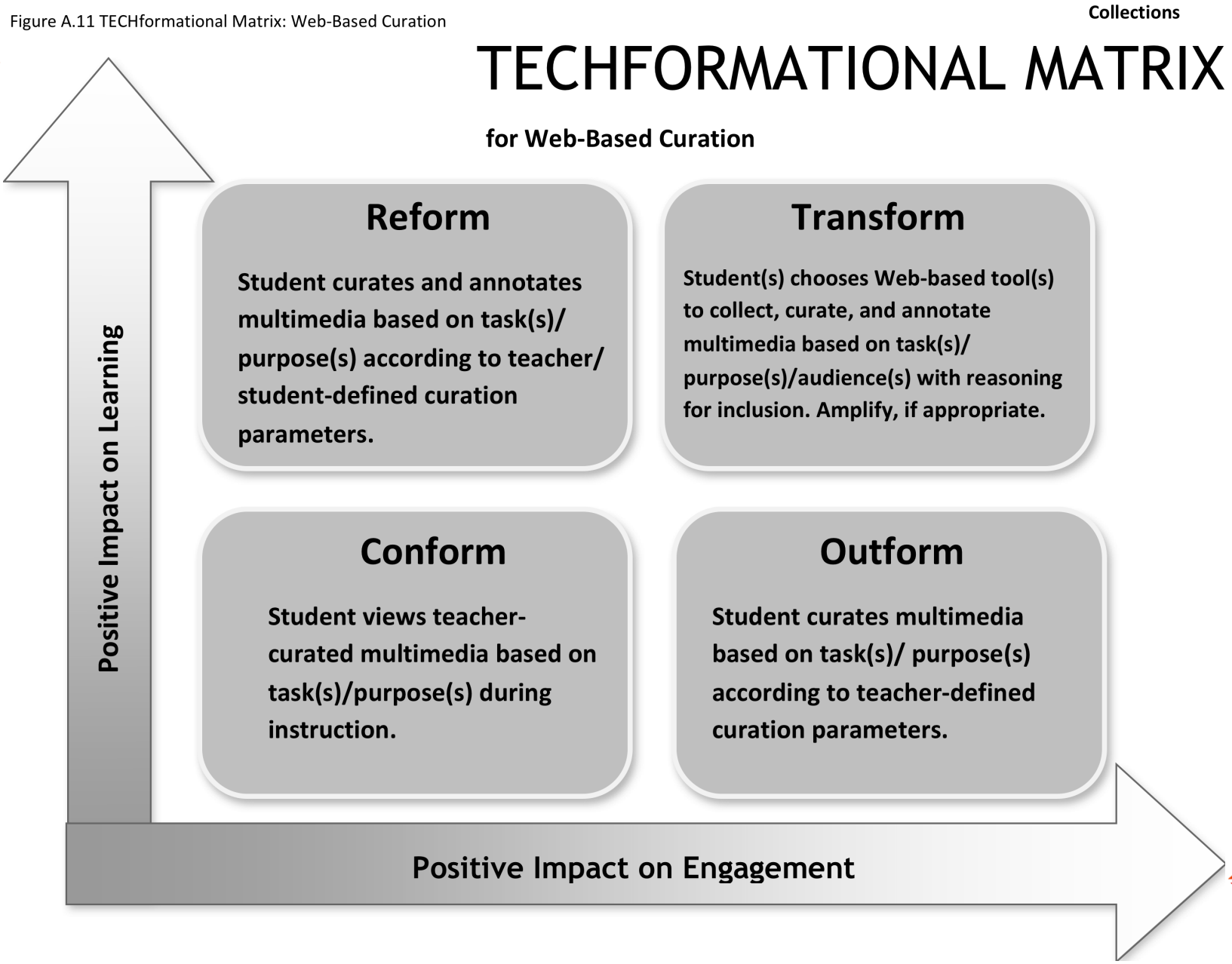
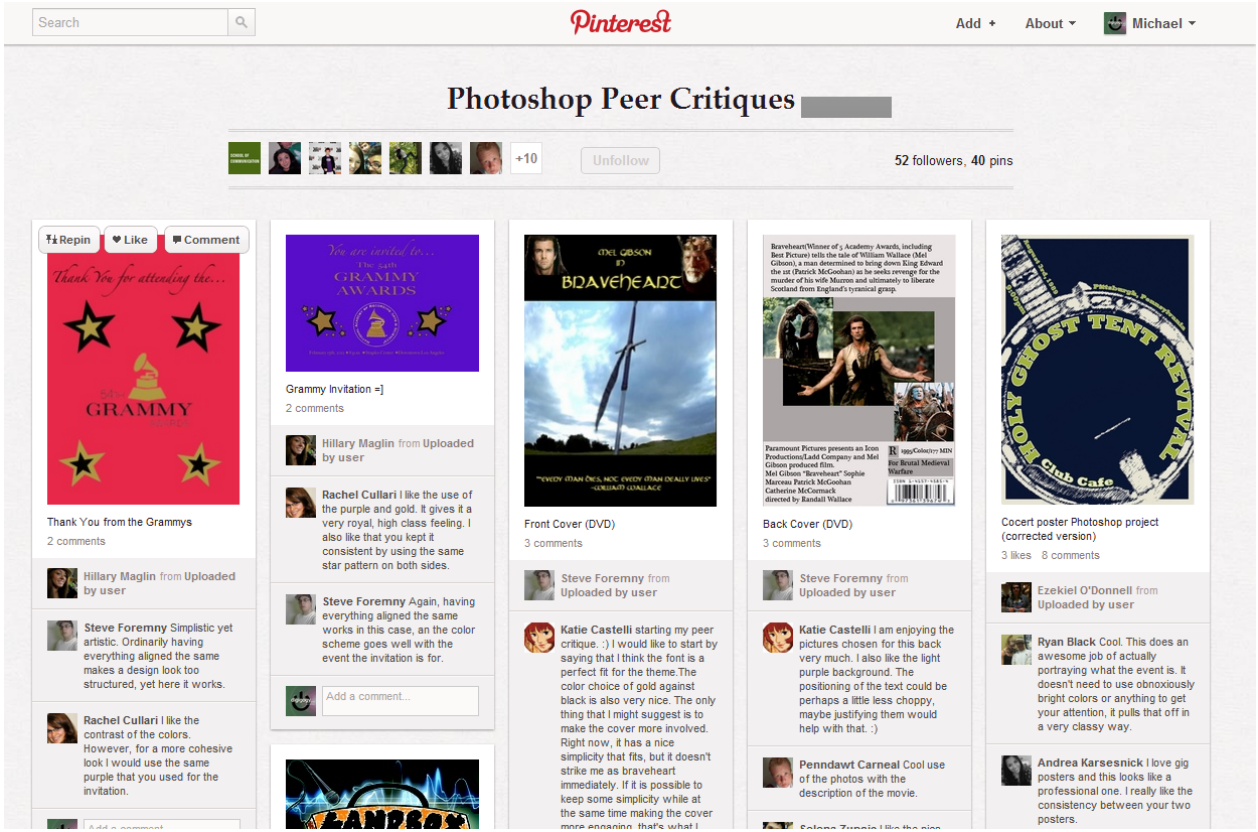
Figure A.11 TECHformational Matrix: Web-Based Curation





Multiple Social Collection tools that could also be Curating Tools:

- Diigo
- Pinterest
- LiveBinders
- Google Docs
- Educlipper
- Scoop.It
- Even popular media tools like Youtube could be used to curate

Of Course the Government Can Create Jobs! - Forbes

www.forbes.com/...government-creates-jobs - Save - Preview

government jobs forbes americandream

> A recurring theme in the Presidential Debates has been the role of the government in the economy

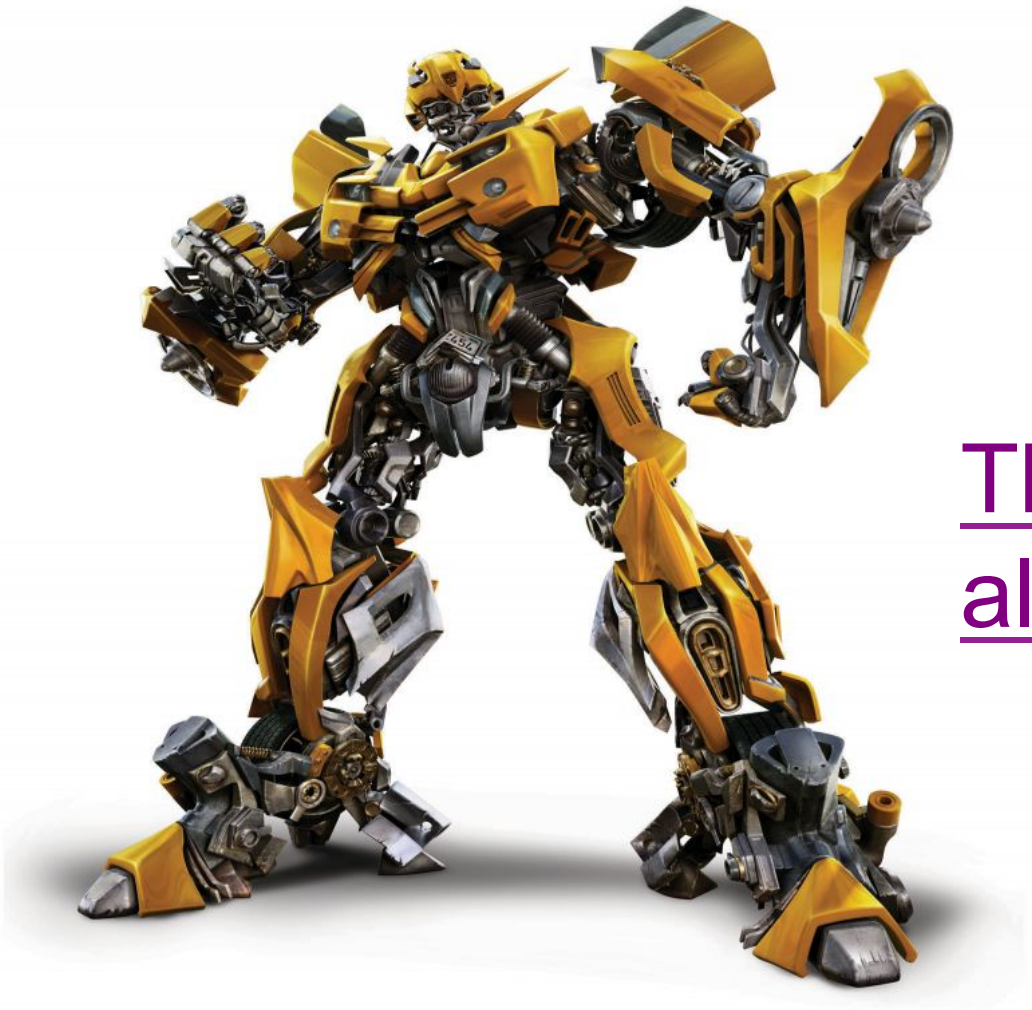
Spark Conversations

Teachers and administrators find the TECHformational matrices useful for sparking collaborative conversations focused on student-centered learning. A curriculum director or professional-development facilitator might choose to use the matrices while posing thought-provoking questions such as:

- ***If I find that most of my instructional time in the conform section of the matrix, does that indicate I am not a quality teacher? What's my next transformational step?***

- ***What does it mean to be transformational about our instruction and assessment?***

- ***What current curriculum-map units encourage students to reform, outform, or transform? What evidence supports your reasoning?***



They are already here!

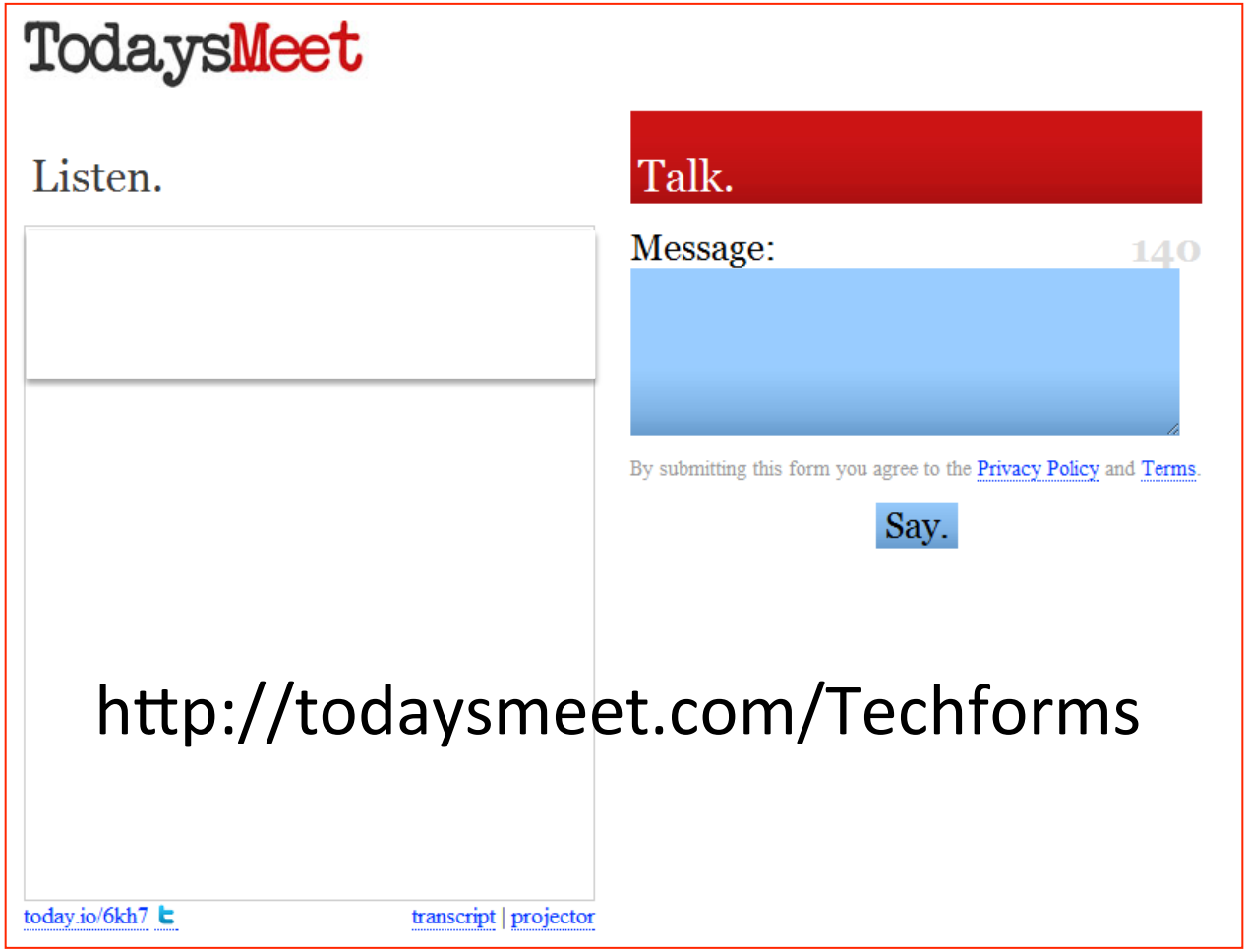
What's your UPGRADE action plan?

Do Now?

Do Next?

Explore Later?

Share your thoughts using TodaysMeet
or discuss your thoughts with those around you…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Website: www.digigogy.com

Book Link:
Upgrade Your Curriculum

Conversation Link:
Upgrade Your Curriculum ASCD Edge Group

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