The Transliterate Student

EXPANDING LITERACY PRACTICES THROUGH DESIGN THINKING AND DIGITAL MEDIA

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HTTP://MEDIATRANSFORMS.US/TRANSLITERACY

The Plan

- How I think about what I do.
- Why I think it is important.
- Provoke thinking and discussion about media, technology, and design process in school literacy practices.

What might be in it for you?

Skills and Knowledge



Technical Proficiency: Skills and content knowledge development

Contextual Relevance:

Traditions and history of symbolic design and aesthetics; personal experience, values, beliefs

Design Thinking:

Rigorous, divergent, creative, and imaginative. Developing Habits of Mind

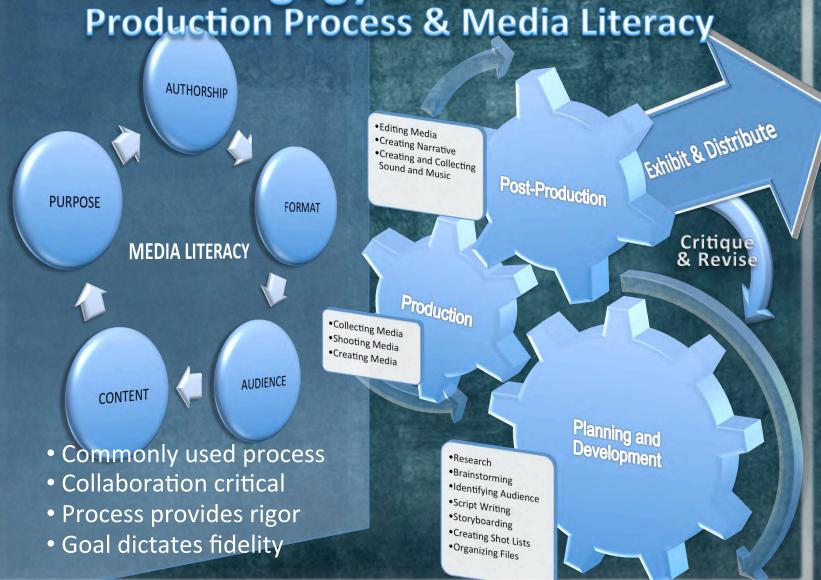


Resources: In the classroom, in the individual, online, and in the community

Culture: Co-create a safe place for exploration, play, and creativity

Habitat: A physical space that nurtures and facilitates imagination and creativity

Pedagogy Framework Production Process & Media Literacy



Student Driven Media Example



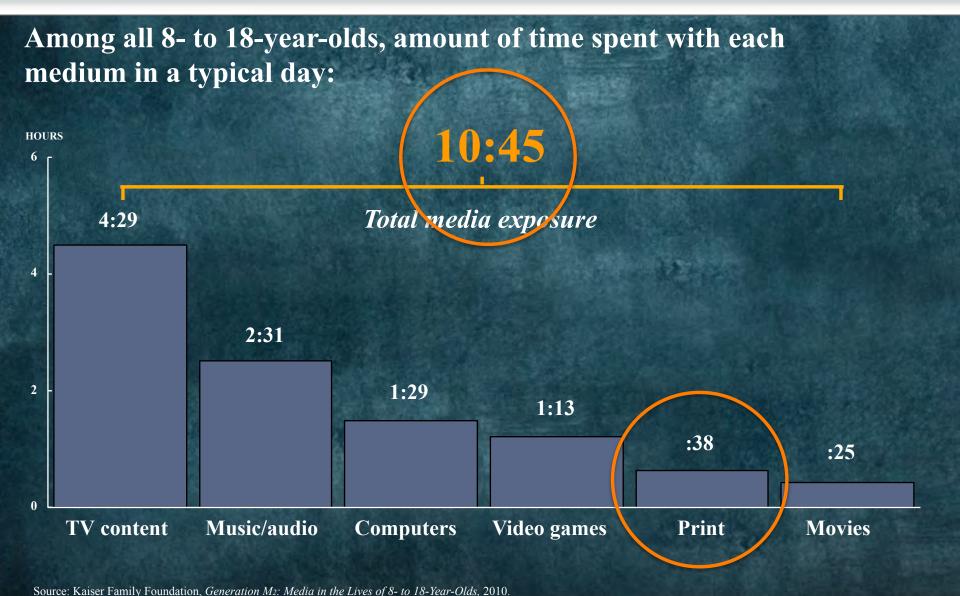
Some Important Points

- Content standards are met
- Project allows for the construction of many solutions
- Key technical capacities are not necessarily explicitly taught
- Students often choose to respond using digital media tools, asked to or not
- Students find, learn, and use the resources they need to succeed

Conjex!

A Multimedia-based Perspective

Media Use, By Platform





Scarcity vs. Abundance

Information: quantity and quality

Accessibility: anytime and anywhere

Networked: added value connections

Sharing: global audience, cognitive

surplus

Learning: formal and informal (affinity spaces and MOOCs)

See e.g. "Why School?" by Will Richardson

blender 3d gun tutorial

Adaptability & Informal Learning

This is a beginners guide to making a gun and so does not require great modeling skill but does require a basic knowledge of the blender 5d user interface blender 2.460. I have also been sery rough in my endetling of the gun as I windled in cover the basics of how you should go about if regarders of the model.

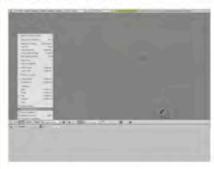
P.S. Sorry for the picture quality

just follow these steps to make any gun of your choice:

It. Firstly, before you open up blender, got to google image search and took for your favourize gun. You must get a sole view good obsent matter which direction in faces.) Then save it to your computer where you can find it later, for this trutorial in any going to model an AKTAU, a shorter sub-machine gun version of your regular AKAI/Im going to use this guc.



 Next, open up blender and delete the default cube. Then go to the bottom left of the 3d window a (View)—>(Background Image) as in the picture below.



When the little bea appears click "use background image" and then "Issat" (see image below)



Think Apprenticeship



Qualities of Informal Learning

Valued highly and accessible

Self-directed curriculum

Adaptable and dynamic learning

Supportive habitat, culture, and resources

Iteration required for mastery

Process not just procedure oriented

Community of diverse teachers/mentors

Feedback is immediate and continuous

Risk is a key element

Some of the scary stuff

- shift towards shared working spaces and higher visibility from community (total transparency)
- greater sharing of resources
- more peer and mentor driven, informal learning
- greater autonomy for students
- less control for teachers over subject content
- technophobia or lack of personal interest
- learning curve for instruction
- cost (purchase, updates, repairs, training)

21st Century Goals: Four C's

Critical Thinking (Design Thinking): deep learning from rigorous exploration, iterative prototyping, and elaboration and refinement of critical analysis.

Creativity (*Elaboration*): exploration, discovery, innovation, an abundance of imaginative, complex, and diverse ideas through *purposeful play*.

Communication (Multiliteracy): extension of literacy to include multiple modes of representation and meaning making.

Collaboration (Connectedness):

Participatory and connected to an extended, networked or linked learning community.

Chifical Thinking

Process of Deep Learning

Four dimensions of Understanding

Purpose: WHY a discipline exists and does what it does

Knowledge: WHAT a discipline addresses; WHAT a discipline "knows"

Method: HOW a discipline comes to know what it knows

Form: HOW that knowledge is represented and conveyed

Observational Sequencing



... at what point does imagination and creativity (not just observation) kick in?

Integrating Curricular Frameworks

Shared purpose of Arts, Science, and Language Understanding, Interpreting, Representing Ourselves and the World

Practice	Math	Science	Art/Design	Literacy
Make sense of problems and persevere in solving them	v	V	V	V
Reason abstractly and quantitatively	V	V	✓	~
Construct viable arguments and critique the reasoning of others	V	V	✓	v
Use appropriate tools strategically	V	✓	✓	~
Develop and use models	V	✓	✓	~
Plan and carry out investigations	V	✓	✓	~
Analyze and interpret data	V	✓	✓	~
Obtain, evaluate, and communicate information	~	✓	~	•
Attend to precision	V	V	V	V

Humanities

(language)

Soc. Science

Media Arts

Science

(notation)

Applied Media

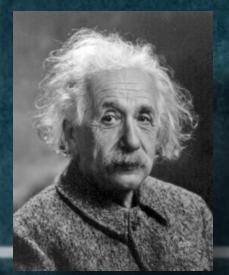
Design

(modeling)

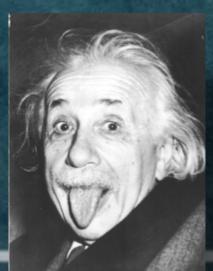
Integrated Methods and Forms

Interdisciplinary Approach with Digital Media

- Bust disciplinary silos
- Creatively elaborate and extend knowledge areas
- Model using visual imagery and tell imaginative stories that help make sense of things
- Re-define complex problems and create aesthetic solutions to them; make the invisible visible



The mere formulation of a problem is far more essential than its solution, which may be merely a matter of mathematical or experimental skills. To raise new questions, new possibilities, to regard old problems from a new angle requires creative imagination and marks real advances in science. —Albert Einstien



In a world of abundance . . .

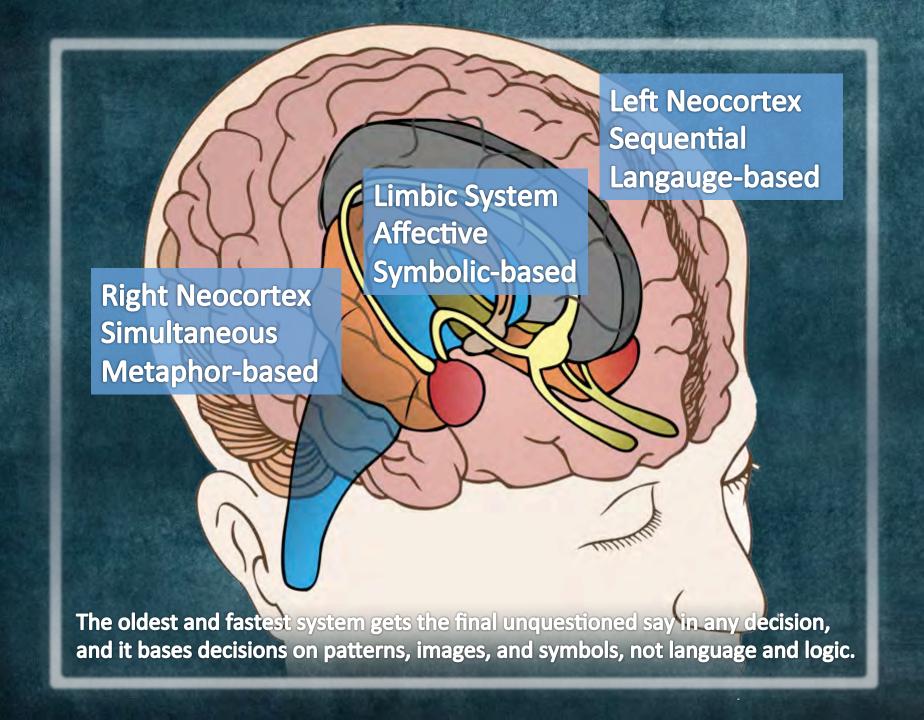


Aaron Koblin

. . . how do we construct meaning?



Chris Jordan





Academic

Left Neocortex

Logical/Cognitive

Download

Passive

Curriculum

Roadmap

Allegoric

Hierarchical

Linked/PBL

Right Neocortex

Affective/Emotional

Upload

Experiential

Creative

Discovery/Spontaneous

Participatory

Social

Informal

Limbic System

Impulsive/Reward

Connecting

Sensation

Risk

Unregulated

Symbolic

Autonomous

Expanding the Idea of Outcomes Goal: Creative Critical Expression

Evaluate

Analyze

Apply

Understand

Remember

CREATE

Characterize

Organize

Value

Respond

Receive

"Personal expression is viewed as an end in itself; it is <u>living</u> at its best and fullest."

Taxonomy of Educational Objectives

COGNITIVE DOMAIN

AFFECTIVE DOMAIN

Digital Media as Deep Learning Tool

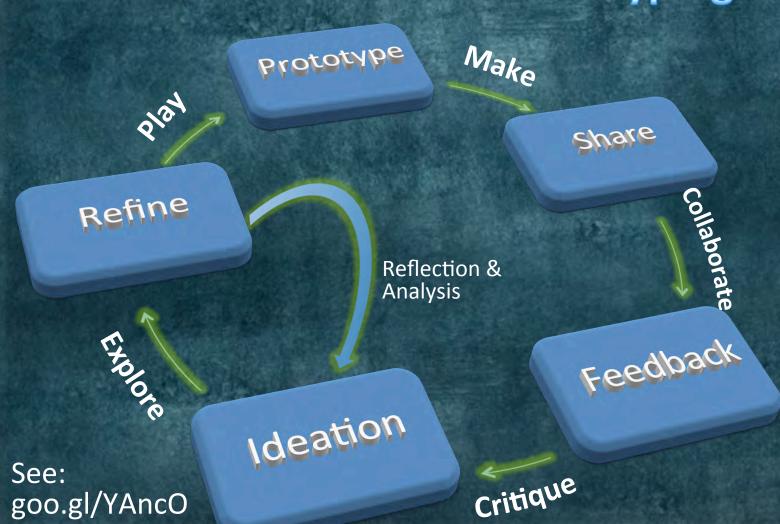
Constructs meaning using multiple systems of representation (i.e., differentiation)

Engages students cognitively and emotionally

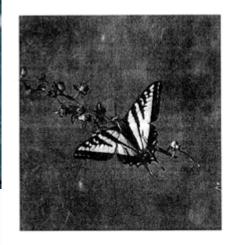
Is central to the public and private life-worlds of students

Fulfills intrinsic motivation needs of autonomy, competence, and relatedness (self-efficacy and self-determination)

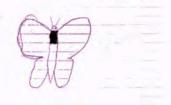
DESIGN THINKING Iterative & Reflective Prototyping



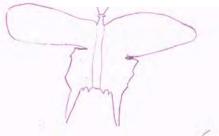
Austin's Butterfly











- Assign work that matters
- Study examples of excellence
- Build a culture of critique
- Require multiple revisions
- Make public presentations



vimeo.com/38247060

Case Study: New Tech News



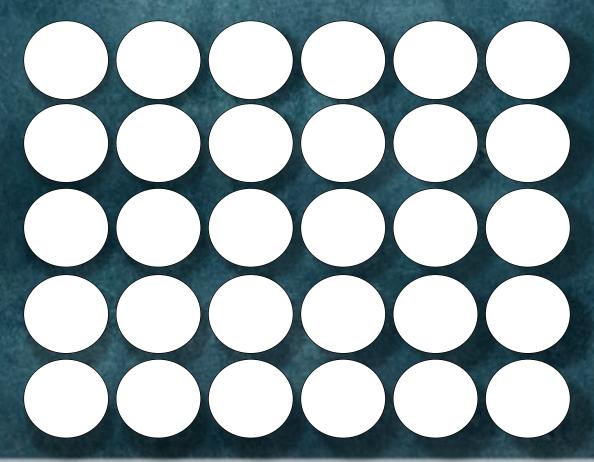
Chealiyily

Purposeful and Relevant Elaboration

30 Circles Exercise

- Transform each circle into something recognizable, such as a ball, a planet, bicycle wheels, etc.

 2. It's OK to draw outside the lines.
- 3. The goal: transform all **30** circles in the time allotted.



How did you do?

- Overcome blocks
- Low resolution
- Many ideas
- Playful
- Divergent ideas
- Therapeutic

Next Step: Pick and refine



Creative Strategies for Integrated Modeling

Anything NOT Reductive or Literal

Depiction: rendering or making visible

Reformatting: borrowing formats from other disciplines

Layering: superimposing multiple concepts and lenses

Mimicry: enacting or assuming the role of . . .

Projection: speculating or predicting; prequel/sequel

Metaphor: making analogous associations, casting as . . .

Enumeration: constrain, amplify, extend, randomize

Imaginal: stream, fantasy, anthropomorphize, distort, reversal

FILL IN THE STORY



BULLDINGS OF CHRISTCHURCH RICH IDEA

DESTGN
PROCESS

bootleg bootleg

d.**@@@@**

Design Thinking for Educators

Publicly Presented Product

Driving Question or Challenge

Feedback & Revision

Voice &

Choice

PBL

Need to Know

Inquiry & Innovation

21st Century Skills

Design Art Engineering

Social Studies

http://spin360.co.nz/christchurch-lost-buildings



Theme Oriented



Cross-curricular



Communication

Development of Multiple Literacies

Literacy Competency Framework



Skills & Knowledge of Semiotic System

Media User
Creative Design,
Authoring & Production



(Text, Visual, Aural, and Spatial Modes)

Meaning Maker Learning and Semantic Context

Media Critic Critical Thinking and Analysis

The Four Resources of New Literacy Competency

Common Core Literacy Connections

- Use technology to produce, publish, and update
- Make strategic use of digital media and visual displays
- Integrate and evaluate multiple sources of information presented in diverse formats and media
- Synthesize information from a range of sources
- Web 2.0 tools are required components for students to be successful with new standards
- Supports the reading, writing, speaking and listening strands

California ICT Digital Literacy Policy: Information Literacy Standards for Student Learners

National Council of Teachers of English: Set of "21st-century literacies" for everyone:

- develop proficiency with the tools of technology
- pose and solve problems collaboratively and cross-culturally
- design and share information for global communities to meet a variety of purposes
 - manage, analyze and synthesize multiple streams of simultaneous information
 - create, critique, analyze and evaluate multimedia
 - attend to the ethical responsibilities required by these complex environments

Integrated Design Academies and Academic Research





BERKELEY CENTER



Lcentral



the bullion La



TAKE ACTION BY CREATING A 60 SECOND PUBLIC SERVICE ANNOUNCEMENT TO PREVENT SUICIDE AND CHANGE MINDS ABOUT MENTAL ILLNESS. THE WINNING VIDEO TEAM WILL WIN \$1000, A CASH PRIZE FOR THEIR SCHOOL, AND WILL BE RECOGNIZED FOR THEIR CINEMATIC ACHIEVEMENT AT THE AWARD CEREMONY.

The contest is open to high school students in California. No prior video production experience necessary.

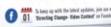
Submissions are due March 1, 2013.

VISIT WWW.DIRECTINGCHANGE.ORG FOR CONTEST RULES AND INFORMATION









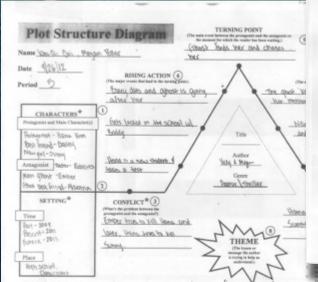
Outside Mentor/Evaluator Tangible benefit to school **Relevant Topic** Personal reward Explore empathy & ethics



Narrative and Documentary Films

CCS Strands

- Reading
- Writing
- Speaking
- Listening



VERITAG

WRITTEN BY STEPHANIE SJOBLOM AND

Smash Bros music can be heard in son the TV errem where the game it couple of controllers that are lyd angle of the shot is on floor leve music fades out a bit as the camer boul of food, obviously abruptly at to a scene of a hand lying limp on right of the shot, and suddenly it Likle "VENITAS" appears on the screabore the sofe cushion.

Everything open black and all of the literally sucked wave, leaving the darkness. The screen is muddenly fil e man. The eyes map open and the cu and looms out from the eyes. It show field with white clothing on. It is slight chirping of birds in the back

Make up. You need to wake

Image flashes to a muddled scene of the house, a silhou someone visible in the middle of the shot. The earle someone bros music echoes in the background

The man sits up and blinks a few times. Wide shot to sh he's sitting alone in a field.

What happened?

'Been Hourk Earlier' show up on a black screen.

Alek is sitting on a chair in the room which was introd the beginning. You can hear Smaah bros music and talkin looks wary and and bored. She looks at Sean and Stepban are laughing about something. Close shot of the two of t Shot of Alek sighing.

Andrea walks in from parage, She has a bag of something drops it down on the sofa, Alek is visible in the backgr

ALE

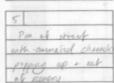
The camera switches focus to her while she speaks. Step! Sean put there controllers down as Andrea reaches into t and pulls out disk-shaped things.

ANDREA Memory-banks. The newest ones from what

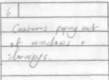
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Plot Structure and Development Character and Scene Analysis



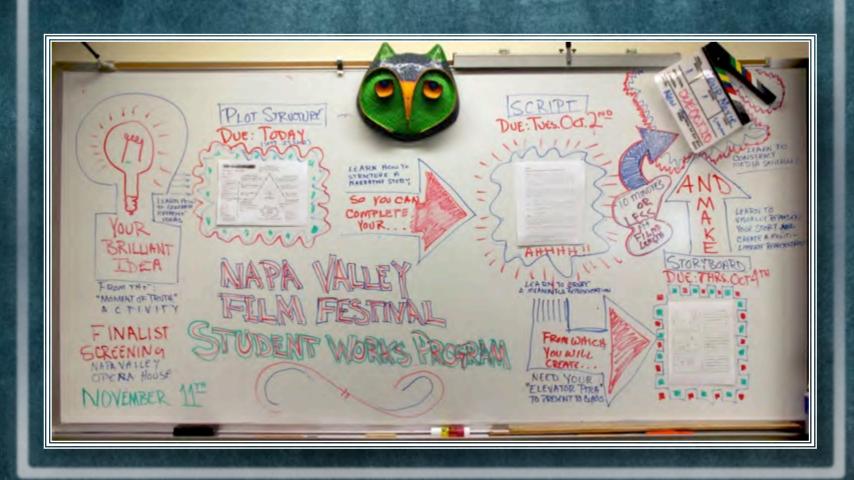






Composition, Lighting, Staging Sound, Production Design

Creative Approach to Curriculum Invites Creativity



Directing Change Student PSA



Multiliteracy

Ability to access and utilize various forms of media and technology to communicate (understand and construct meaning) in a diverse, globalized community.



Multiple Modes



Making Connections/Mashing Up





Challenges

Participation Gap: unequal access or ability to use the necessary tools and resources

Capacity Building

Transparency Issues: understanding how media shapes perception

Media Literacy

Ethics Challenge: training and socialization that prepares students as media makers.

Copyright, Fair Use, Privacy, Safety, Ethics

Collabortation

Connecting the individual, the content, and the community

Emerging Practice

 \land Genre of Participation (**motivation**) \rightarrow

Level of Participation (intensity) Peer/Social Institution Interest Driven Driven Drivep **Geeking Out Hanging Out**

Rigor Relevance Authenticity



NAPA VALLEY FILM FESTIVAL

Student Driven
Crazy Deadline
High Profile (risk of failure)
Community Integration
Professional Community
Industry Assessment



Results

Document Your Process

(both teachers and students)









Sharing is Caring

Are you sharing your good stuff with both students and other teachers?

How do you share your good stuff?
Diigo, Pinterest, Delicious, Facebook, etc.

Are you developing a professional practice of accessing and sharing resources and technology in a learning community or affinity group?

Task: Creating affinity learning groups as a coconspirator (knowledgeable peer) rather than authoritative source.