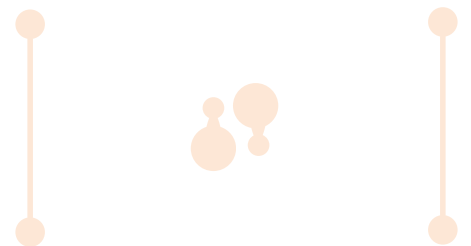


DEMOCRATIZED STARTUP

Transformational investment strategies and open access to startup knowledge, expertise, and networks will seed an explosion of disruptive social innovations.

and financial infrastructure will disseminate



CUSTOMIZABLE VALUE WEBS

Innovative, open business models will leverage complex networks of assets and relationships to create ultra-customer-centric experiences across industries.

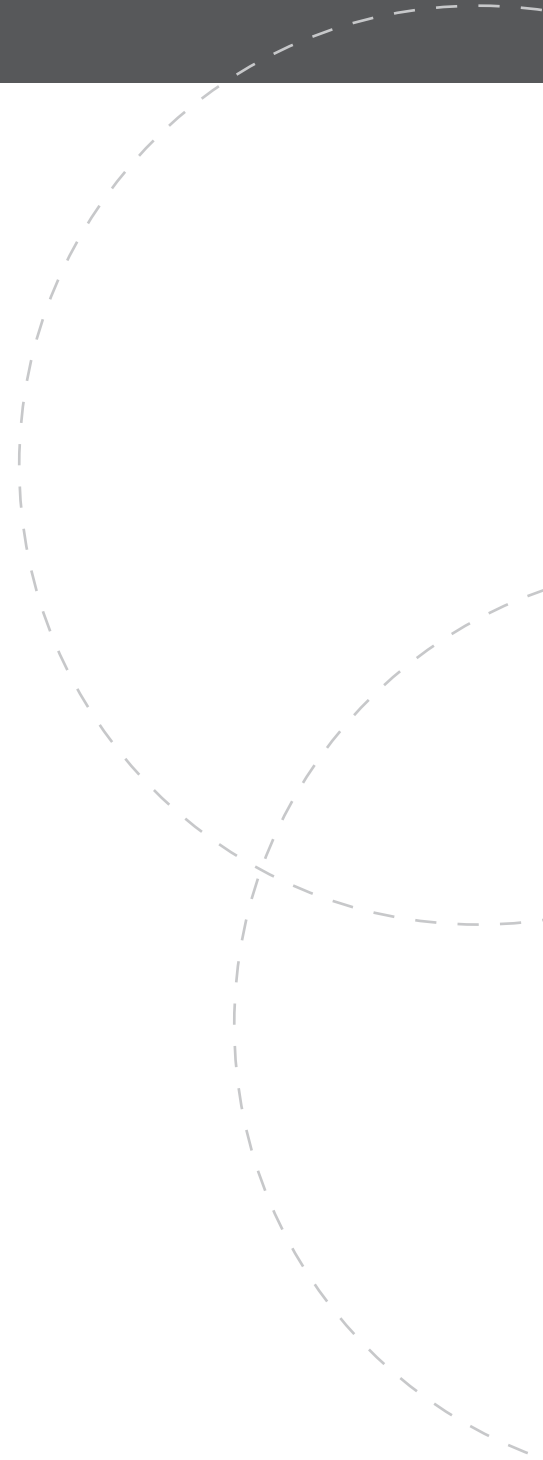
creating an expanding ecosystem of new

business models will find new ways of harnessing these opportunities into flexible value webs that deliver highly customer-centric experiences. Across industries, new intermediaries, novel customer value propositions, and creative ways of facilitating open digital platforms and networks are already transforming customer experiences. For example, new intermediaries in the music industry have integrated platforms such as iTunes, Google+, and Facebook with artist information, concert databases, and mobile apps to transform passive listeners into active music participants who share, create, remix, and produce music. In education, new intermediaries will facilitate a similar integration of networks and systems that bring learners,



HIGH-FIDELITY LIVING

As big data feeds human sensemaking capacities, cognitive assistants and contextual feedback





DE-INSTITUTIONALIZED PRODUCTION

Activity of all sorts will be increasingly independent of institutions as contributions become more ad-hoc, dynamic, and networked.

The Rise of Socialstructs

Radically expanded options to architect massive collaborations in diverse technical and social settings will open new opportunities for creating, scaling, and sustaining efforts that both supplement and supplant traditional organizational models.

- **Time Banks** – Build community economies through the exchange of time and talent. Members of Hour Exchange Portland have swapped over 150,000 hours of service and have provided over 25,000 hours of free health care.

hourexchangeportland.org

- **Tilt: Flip's Adventure in 1.5 Dimensions** – Players around the world work together in this game app to earn points to plant trees in Madagascar.

tiltworld.com/game.info.html

- **ThePublicSchool** – Provides a framework for anyone to socialstruct learning by proposing and organizing classes with other self-directed learners.

thepublicschool.org

The Decline of the FTE

Full-time employment in a single institution or industry will decline as social production networks aggregate contributions from volunteers and pay-for-performance workers around the world.

- **SamaSource**

Key

Disruptions are major societal shifts that will have broad impact on the future of learning.

Trends are more narrowly focused changes that, when combined, give rise to disruptions.

Signals are examples, or early indicators, of how each trend is beginning to play out today.

CUSTOMIZABLE VALUE WEBS

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Digital Mediators and Brokers

Web service brokers, interactive maps, APIs, and technical standards will become essential tools for helping learning agents, learners, and parents find, organize, and curate learning resources and experiences.

- **Aristotle Circle** – Matches pre-K to career learners and their parents with the appropriate coaching, mentoring, and preparation.

aristotlecircle.com

- **Shared Learning Collaborative** – Supports personalized learning for all K-12 students by building an integrated and scalable technology infrastructure that links to the Common Core State Standards.

slcedu.org

- **LearningJar** – Helps users understand the skills needed for specific roles and careers, learn informally, and then prove mastery.

learningjar.com

Agile Schools

As the costs of coordinating learning resources and convening learning communities decline rapidly, diverse and flexible forms of hyper-focused schools will multiply.

- **PlayMaker School** – Middle school students learn through play, making, discovery and inquiry, and interest-driven design, with each student charting his or her own unique journey through the school year from an Adventure Map.

gamedesk.org/playmaker-school

- **Knowmia** – Creates personalized mini-courses for high school students, with expert teachers assembling video lessons for individuals.

knowmia.com/home/minicourseSignup

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