



Finding Students' Voice: Creating Students' Future with STEAM

What blueprint will you create?

Write your vision, mission, and core principles
that drive your school/classroom.

This is the foundation on the ground floor of
your blueprint.

3 LEVERS

- Cultural path finding and alignment
- Unleashing children's unlimited human potential while providing amazing opportunities for them daily
- STEAM powers Kid's 21st C Engines

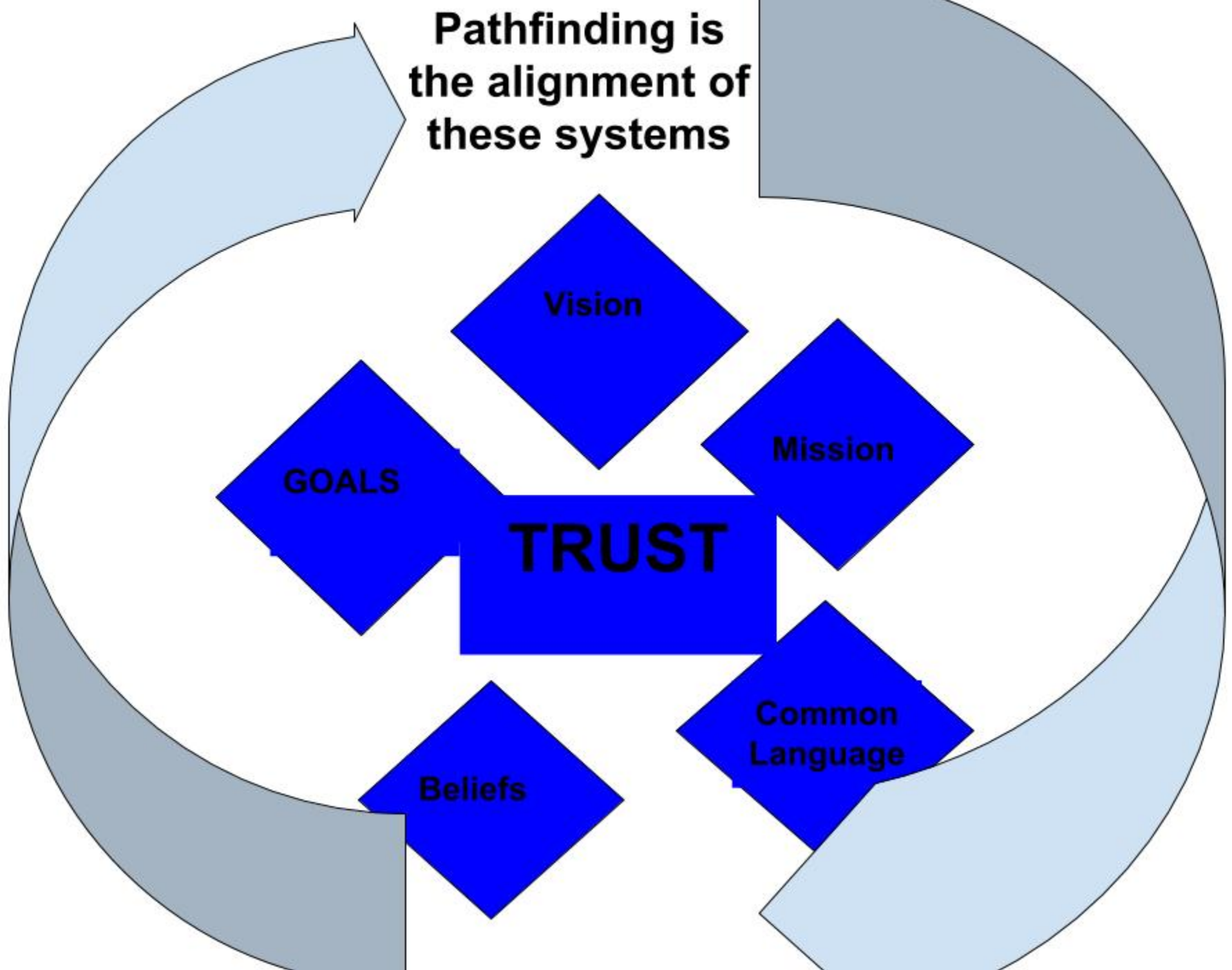
First Floor Lever 1

1

Path finding

- “I believe that culture is the hidden tool for transforming our schools and offering our students the best learning possible. Traditionally, policymakers have focused on curriculum as the tool for transformation, naively assuming that teachers merely deliver curriculum to their students. Change the deliverable—Common Core, STEAM, National Curriculum, International Baccalaureate Diploma—and you will have transformed education, they assume. In reality, curriculum is something that is enacted with students. It plays out within the dynamics of the school and classroom culture. Thus culture is foundational. It will determine how any curriculum comes to life.” Ron Richard, 2015

**Pathfinding is
the alignment of
these systems**



Cultures that Deliver Consistent Results

XQ Survey Reveals:

16% over
30 years

2nd Floor Blueprint

2

The Day The World Changed

(New Paradigm)

2

2nd Floor of Your Blueprint

- **Create Agency in Students:**

In *Choice Words*, Peter Johnston says that children who doubt their competence set low goals, choose easy tasks, and they plan poorly.

When they face difficulties, they become confused, lose concentration, and start telling themselves stories about their own incompetence. They become our passive learners. Engagement withers.

Agency and Belonging



Johann Wolfgang von Goethe

“If you treat an individual as he is, he will remain how he is. But if you treat him as if he were what he ought to be and could be, he will become what he ought to be and could be.”

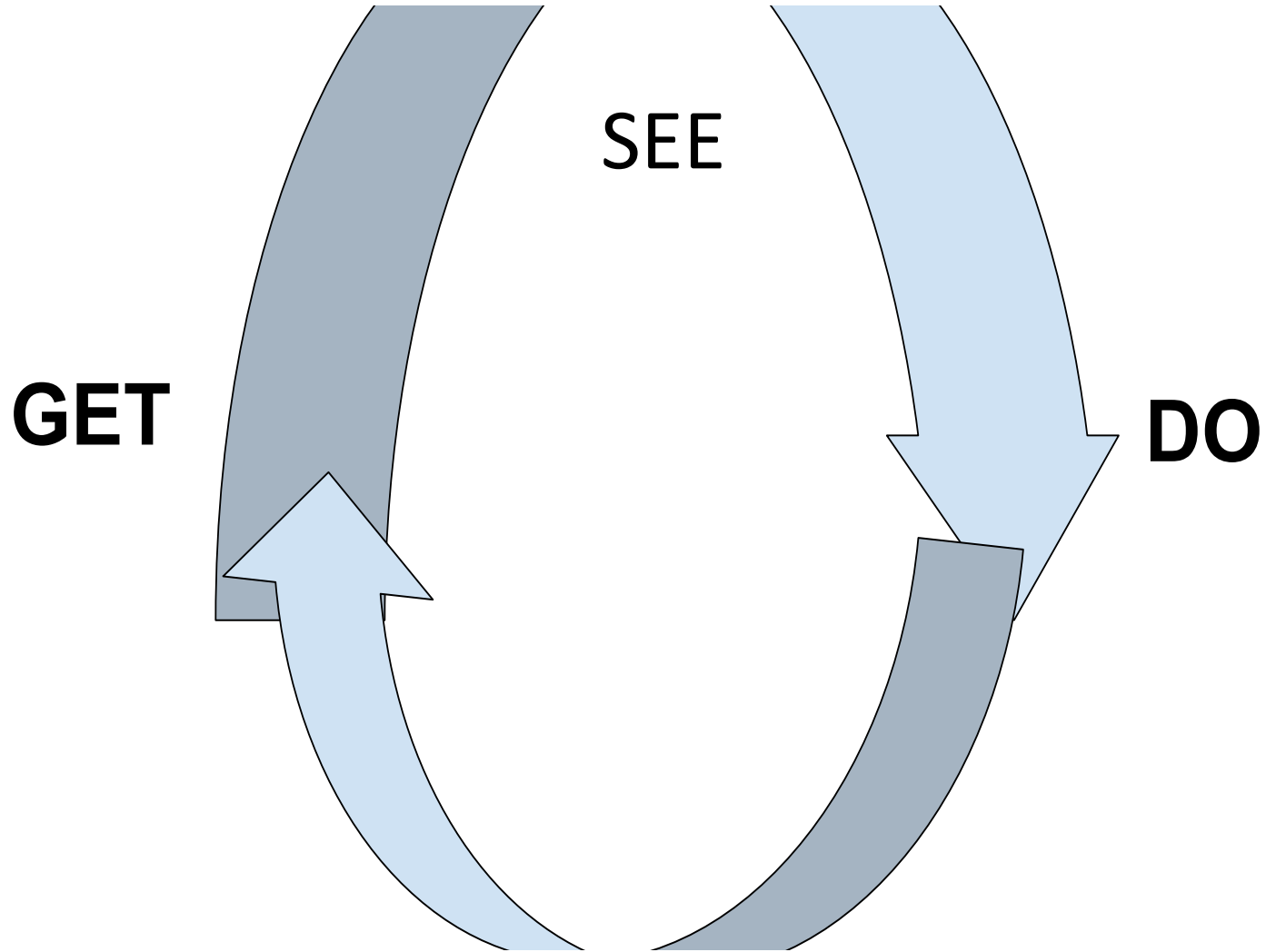
Champion for Every Child

- “Every child deserves a champion, an adult who will never give up on them, who understands the power of connection and insists that they become the very best they can possibly become.”

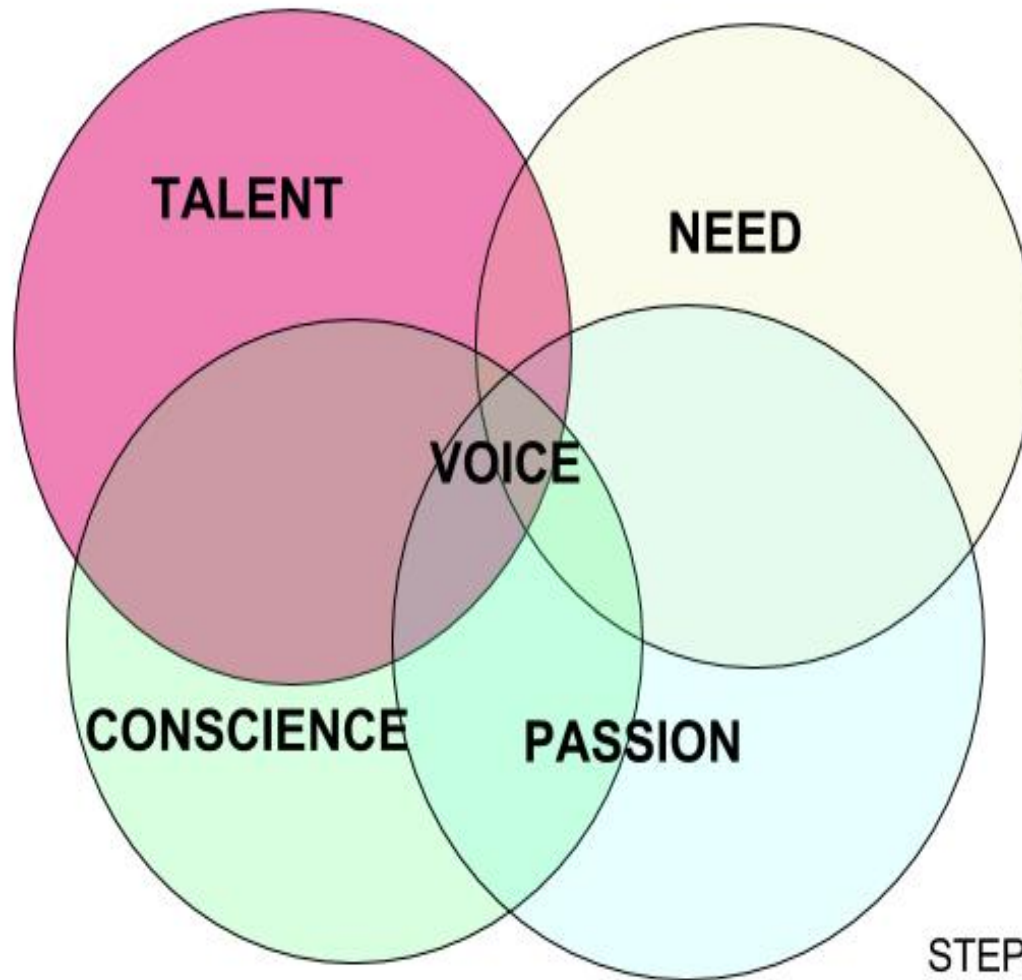
Autonomy

- When a child develops autonomy, he begins to self-regulate his actions. He or she begins to apply these strengths to learning.
- Daniel Pink, author of Drive: “Creating autonomy, mastery, and purpose changes one’s motivations”.

Covey: Principle to Examine Paradigms

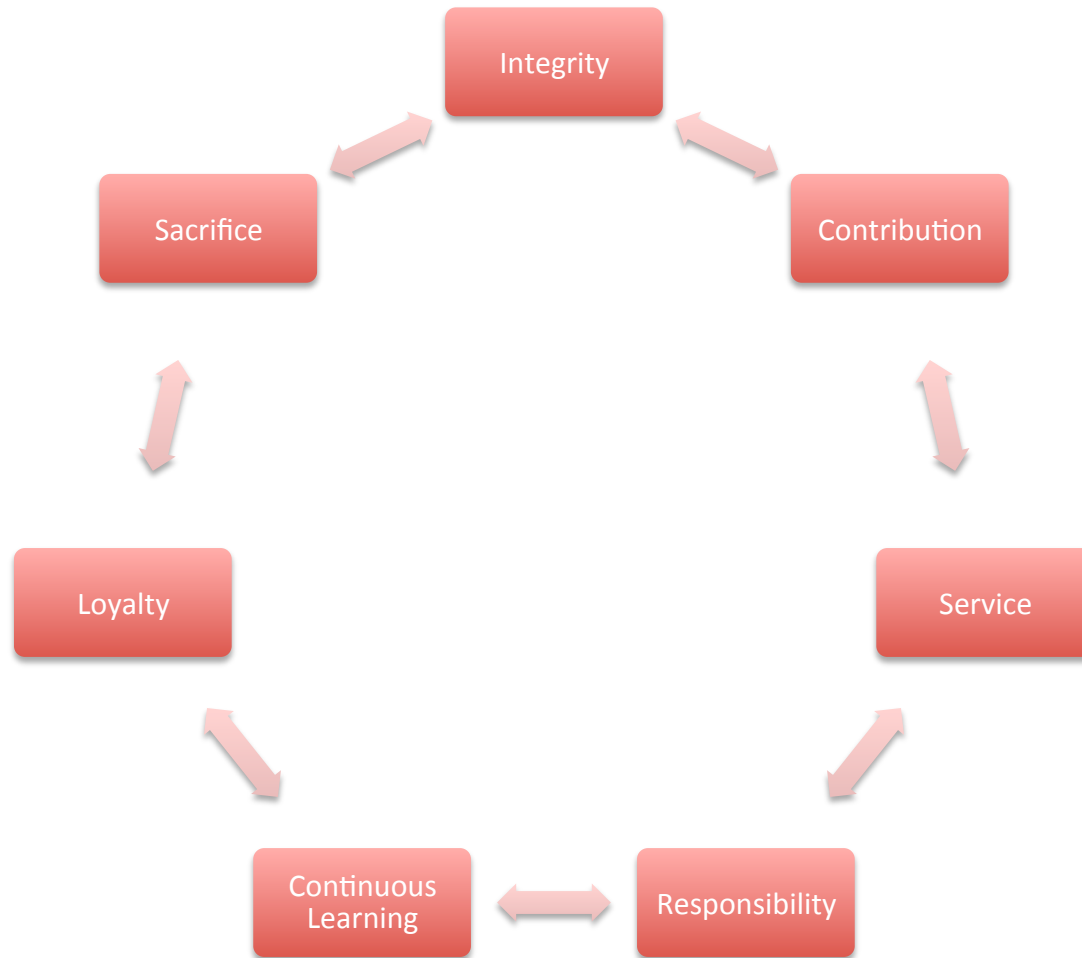


Voice Develops at the Intersection of Talent, Conscience, Passion and Need



STEPHEN
COVEY, 8TH
HABIT

Primary Greatness (Covey, 2015)



3rd Floor

3

STEAM

“The jobs in the greatest demand in the future don’t yet exist and will require workers to use technologies that have not been invented to solve problems that we don’t yet even know are problems.”

Lev Vygotsky

“Children grow into the intellectual life of those around them.”

STEAM DEFINED

**Science, Technology, Engineering,
Art, and Math Integrated and
applied to interdisciplinary hands-on
learning**

**Platform for creativity, innovation,
and entrepreneurship**

TRANSFORMATIONAL LEVERS

- Transformative culture
- Empowerment
- Name and notice student's thinking and their strengths
- Listen to and to understand children's thoughts
- Modeling
- Opportunities for every child to apply their learning

Project Zero –8 Forces

- Routines
- Interactions of respect and interest

Ron Ritchart

Thank you!

Kathleen Miller
Mundelein, Illinois
mindweaver@sbcglobal.net
Cell: 847-309-0741

Please email me or leave a business card and I will grant access to my Blendspace with all forms and materials.