THE PEOPLE SIDE OF K12 ED-TECH

a human capital call to action

Kentucky Department of Education

Our Children, Our Commonwealth

3 BIG QUESTIONS.

- If you ask your teachers: "How reliable is your technology" - what would they say?

- From your students' lens, if you asked: "How often do you get to make stuff on computers & is it a good experience?" - what would they say?

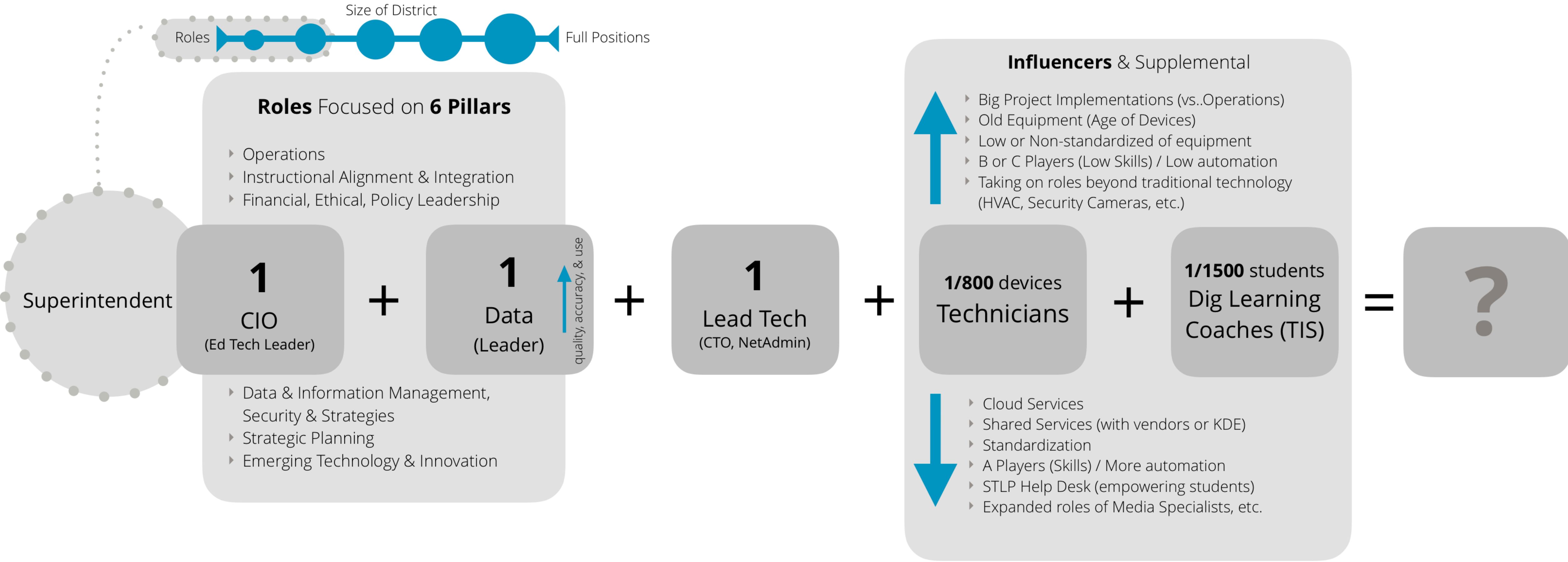- From your leadership lens: "How accurate is your data and are you actually using it?"

CALL TO ACTION.
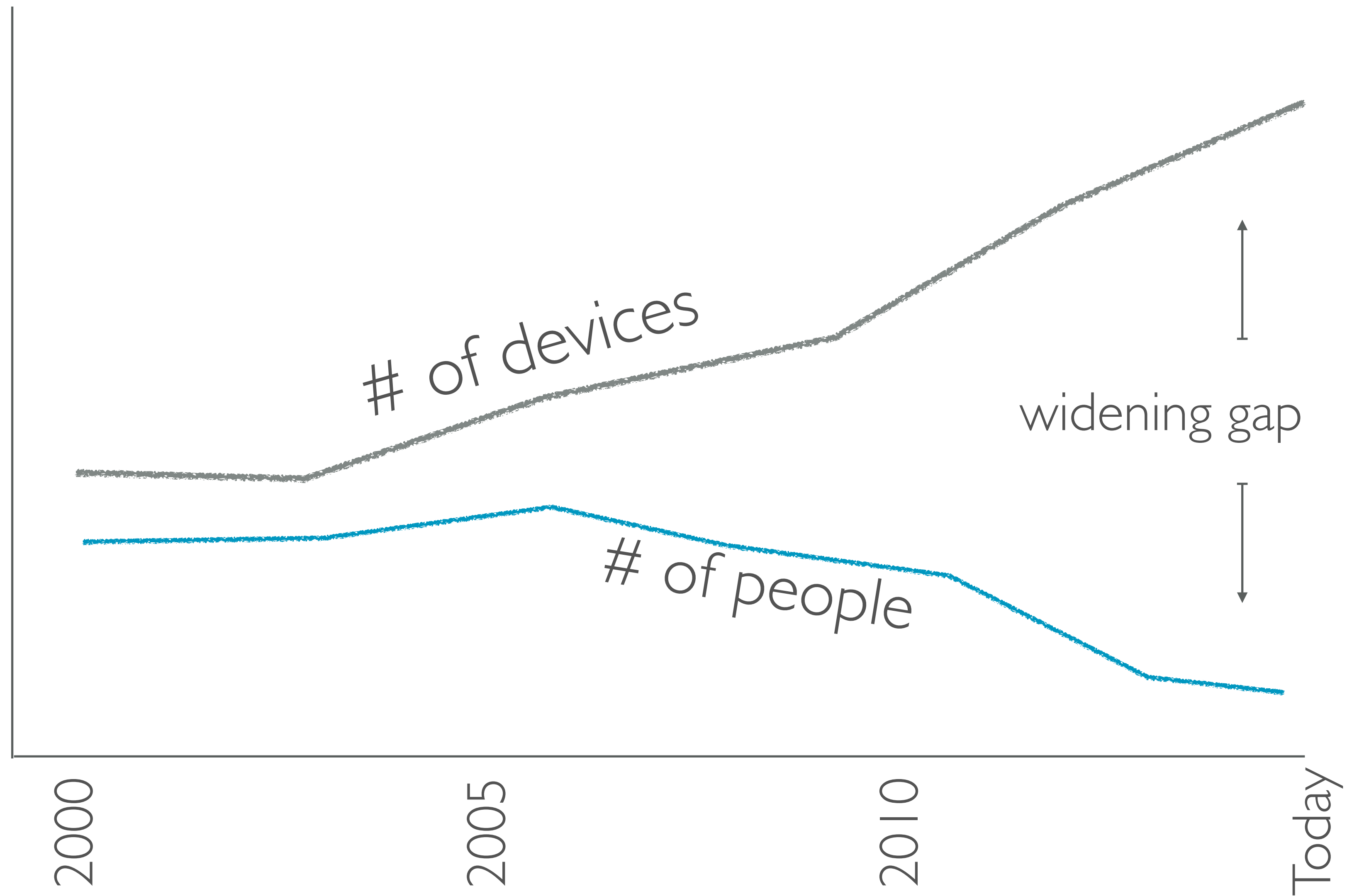
MODEL CONSIDERATIONS

- The average KY school district is around 2,000 ada. The further away from the average (on either side) the more dramatic the model appears.

- Consider the idea of roles versus people, when appropriate. ex: Library Media Specialists, in some districts, are evolving into Digital Learning Coaches.

- The number of devices is used for correlational and relational purposes to represent the amount of "other technology." Devices are NOT the only technology.

- 4.7% of all Education Staff are EdTech staff Found by Gartner (because we know you love Gartner)

THE MODEL.

Size of District

Roles ●─●───●──●──●──● Full Positions

Superintendent

Roles Focused on 6 Pillars

‣ Operations
‣ Instructional Alignment & Integration
‣ Financial, Ethical, Policy Leadership

1
CIO
(Ed Tech Leader)

+

1
Data
(Leader)

quality, accuracy, & use

‣ Data & Information Management,
  Security & Strategies
‣ Strategic Planning
‣ Emerging Technology & Innovation

+

1
Lead Tech
(CTO, NetAdmin)

+

Influencers & Supplemental

‣ Big Project Implementations (vs..Operations)
‣ Old Equipment (Age of Devices)
‣ Low or Non-standardized of equipment
‣ B or C Players (Low Skills) / Low automation
‣ Taking on roles beyond traditional technology
  (HVAC, Security Cameras, etc.)

1/800 devices
Technicians

+

1/1500 students
Dig Learning
Coaches (TIS)

‣ Cloud Services
‣ Shared Services (with vendors or KDE)
‣ Standardization
‣ A Players (Skills) / More automation
‣ STLP Help Desk (empowering students)
‣ Expanded roles of Media Specialists, etc.

=

?

Model Examples

district **A**   2,100 ada | 3,215 devices

Superintendent

CIO (Ed Tech Leader) + Data (Leader) + Lead Tech (CTO, NetAdmin) + **1/800** devices Technicians + **1/1500** students Dig Learning Coaches (TIS) =

Model calls for 9

7

● actual/ current   ● to fit model   ● surpassing model

Model Examples

district **B**   4,500 ada | 3,415 devices

Model calls for

10

Superintendent

CIO
(Ed Tech Leader)

+

Data
(Leader)

+

Lead Tech
(CTO, NetAdmin)

+

1/800 devices
Technicians

+

1/1500 students
Dig Learning
Coaches (TIS)

=

8

● actual/ current   ● to fit model   ● surpassing model

Model Examples

district **C**   1,200 ada | 1,000 devices

Superintendent

CIO
(Ed Tech Leader)

+

Data
(Leader)

+

Lead Tech
(CTO, NetAdmin)

+

1/800 devices
Technicians

+

1/1500 students
Dig Learning
Coaches (TIS)

Model calls for
5

=

5

3
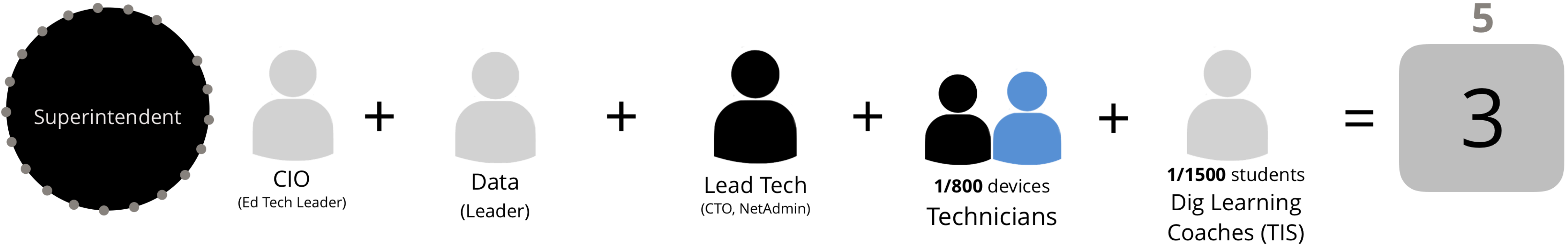
● actual/ current   ● to fit model   ● surpassing model

THE MODEL.

District	Model	ADA	Devices	CIO	Lead Tech	Data	Tech	DLC	Total		Total Staff	% of Total Staff
Hart County	Model	2,100	3,215	1	1	1	4	1.4	8		365	2.31%
	Actual/ Current			1	0	0	2	4	7		365	1.92%
LaRue County	Model	2,200	2,885	1	1	1	4	1	8		350	2.31%
	Actual/ Current			1	1	1	5	0	8		350	2.29%
Barren County	Model	4,500	3,415	1	1	1	4	3	10		721	1.42%
	Actual/ Current			1	1	1	2	3	8		721	1.11%
Jessamine	Model	7,500	8,500	1	1	1	11	5	19		1185	1.57%
	Actual/ Current			1	2	1	13	0	17		1185	1.43%
Boyle	Model	2,500	3,700	1	1	1	5	2	9		393	2.36%
	Actual/ Current			1	2	1	0	1	5		393	1.27%
Floyd County	Model	5,500	6,600	1	1	1	8	4	15		932	1.60%
	Actual/ Current			1	1	0	4	0	6		932	0.64%
Boone County	Model	19,300	19,631	1	1	1	25	13	40		2747	1.47%
	Actual/ Current			1	1	0	8	2	12		2747	0.44%
Livingston County	Model	1,100	940	1	1	1	1	1	5		204	2.41%
	Actual/ Current			1	0	0	2	0	3		204	1.47%
Nelson County	Model	4300	3800	1	1	1	5	3	11		639	1.66%
	Actual/ Current			1	1	1	4	0	7		639	1.10%
Christian County	Model	8300	8383	1	1	1	10	6	19		1206	1.58%
	Actual/ Current			1	1	1	5	1	9		1206	0.75%
Owensboro Public	Model	4500	5447	1	1	1	7	3	13		758	1.69%
	Actual/ Current			1	1	0	5	1	8		758	1.06%
Henry County	Model	2000	2474	1	1	1	3	1	7		314	2.36%
	Actual/ Current			1	1	0	1	0	3		314	0.96%
Henderson County	Model	6800	6375	1	1	1	8	5	16		1088	1.42%
	Actual/ Current			1	1	0	6	1	9		1088	0.83%

Gartner researched model finds that 4.7% of all staff in education field is technology related staff. Even with the model, we are far from that.