

Optimize Student Success

Most students who struggle
entered kindergarten behind
in the foundational skills
that empower learning success
and never caught up
(Skill Gap)

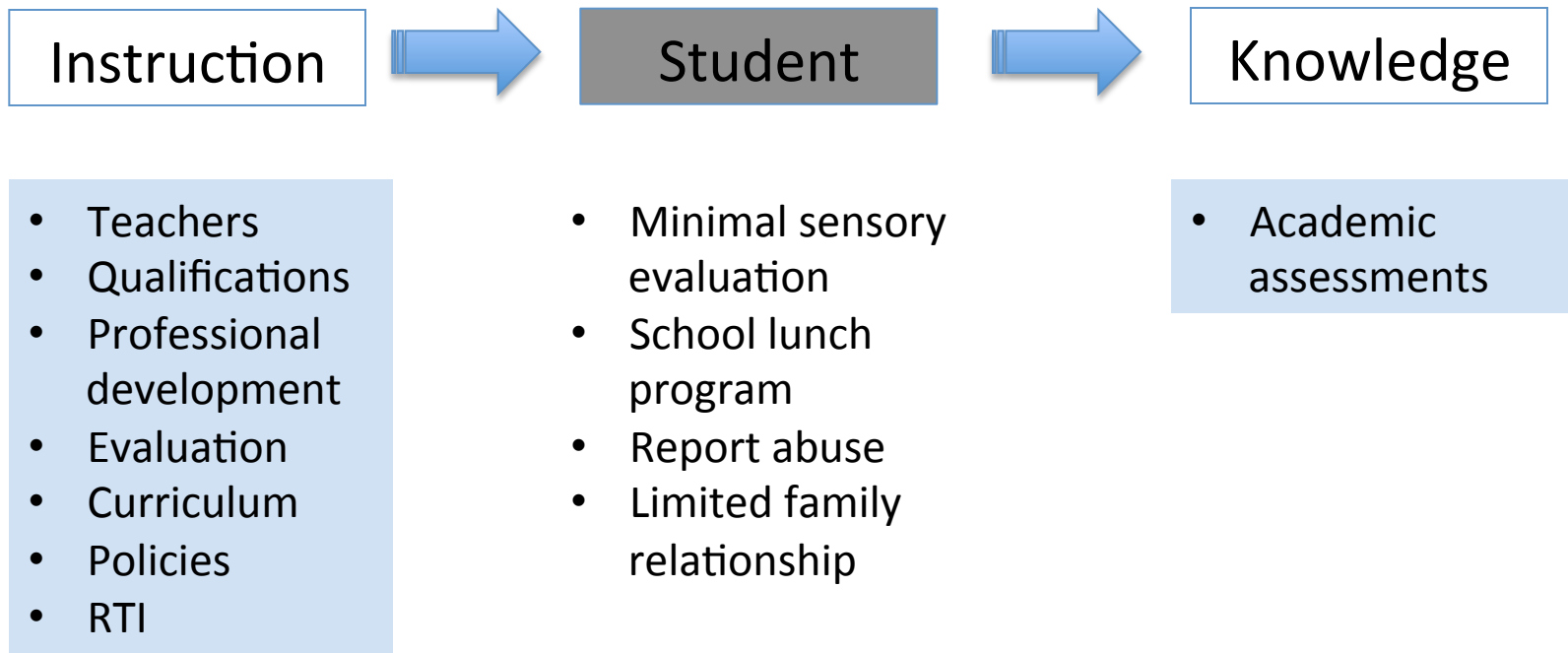
**Tools to help close the Skill Gap
to empower more effective learning**

Status/Background

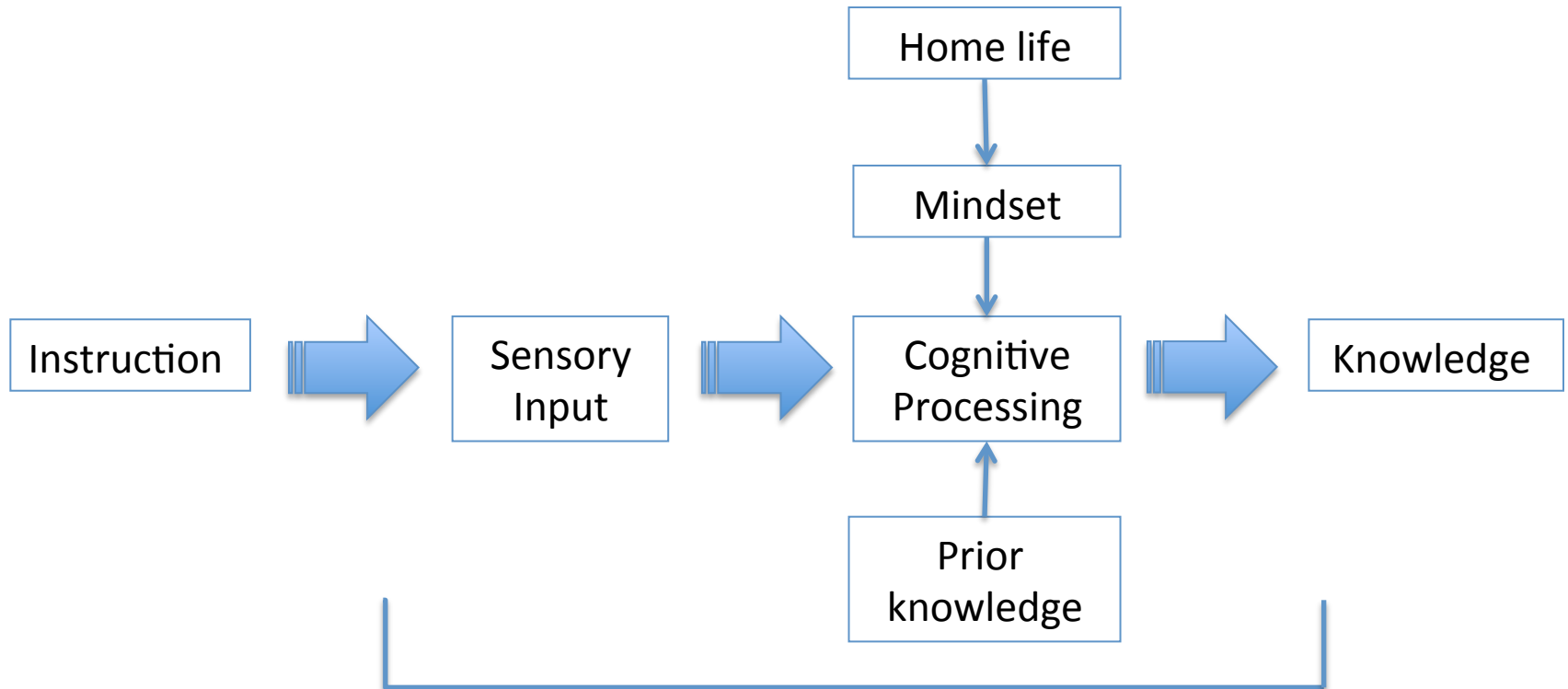
- Started with saving one student (LearningRx)
- Built an affordable, scalable online model based upon the LRx clinical model
- Validated the model across the country
 - Holy Ghost Elementary, <25% to > 85% proficiency
 - Mooringsport Elementary, 57 out 60 failing students passed the state assessment post intervention
 - Lessons learned: fidelity of implementation and mindset training are key, parent engagement important, plug the leak vs. remediation, non-instructional tools, program must survive changes in leadership
- School Village (Bob Null partnership)
 - Queen Palmer, Helen Hunt, Scott

Traditional Educational Model

Traditional educational model focuses on Instruction, curriculum, and assessment.
Model generally assumes good instruction will lead to student knowledge. However, many students struggle to learn.



Student-Centric Learning Process Model

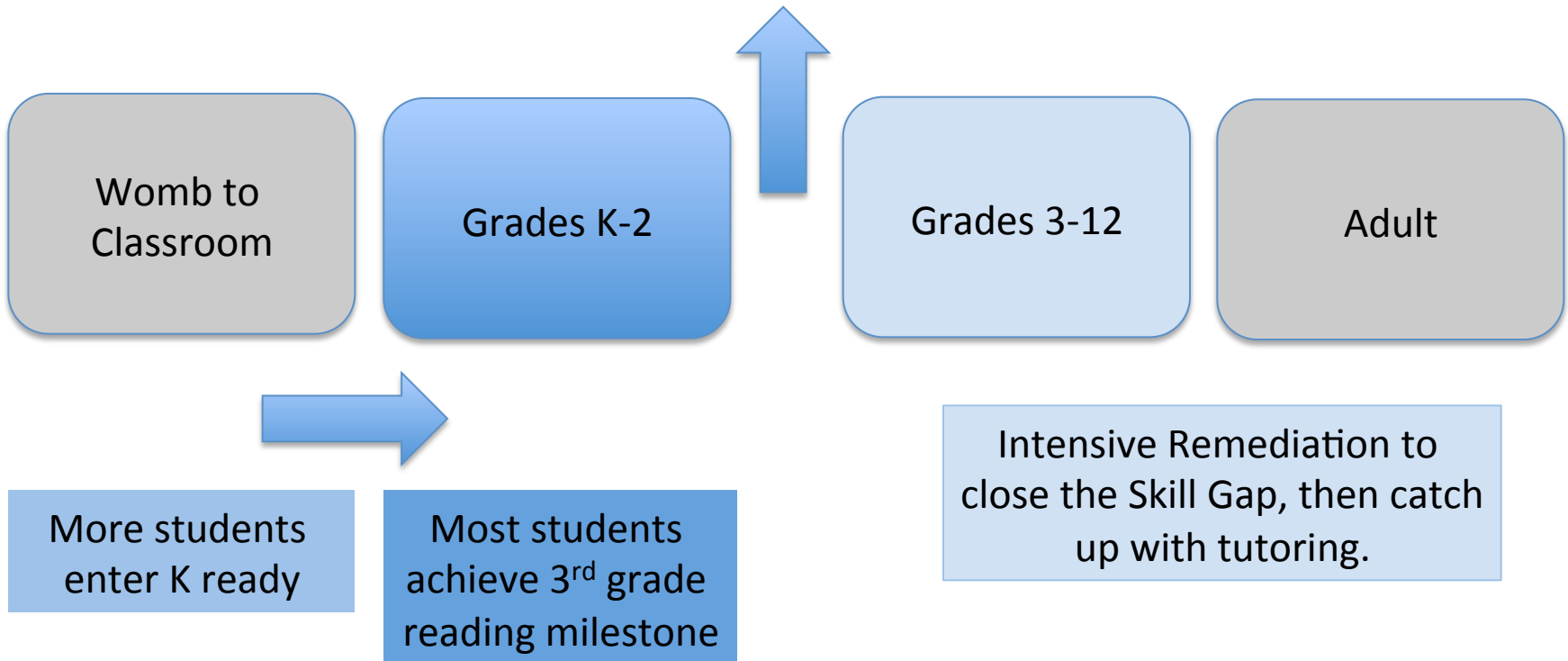


Learning effectiveness is impacted by how well each student processes instructional stimuli and by various influences

Everyone Reads

Comprehensive, Integrated Solution

3rd grade reading proficiency milestone



Stronger emphasis on family engagement and training at home

Womb to classroom

- Longer-term strategy—improve the feeder system into elementary schools
- Connect with families at birth through the medical system and community organizations and empower families to provide the proper developmental support so their children enter kindergarten ready to learn
- Organize by elementary school boundaries, School Villages
- Connect everyone to the Internet at home with computer
- Provide a community-based social media platform to enhance interactions (similar to <http://nextdoor.com>)
- Engage and guide families to better prepare the children

Grades K-2

- Kindergarten
 - Students begin limited online training at home and school
 - Begin Reading Kingdom end of Kindergarten at school, continue training during summer at home
 - Ensure all families connected to the Internet with computer at home
- First grade
 - Complete RK program during 1st grade
 - Sensory input screenings
 - Online training as appropriate
- Second grade
 - Cognitive skill screening
 - Brain training as appropriate

Grades 3+

- Recognize that student is in remediation mode and adjust expectations and processes to overcome barriers; older students require more assistance to address self esteem issues
- Sensory input screenings
- Basic online skills training as needed
- Cognitive skill assessment
- Brain training as needed
- Mindset training
- Connect all students to the Internet at home
- Tutoring as needed to catch up once Skill Gap has been closed

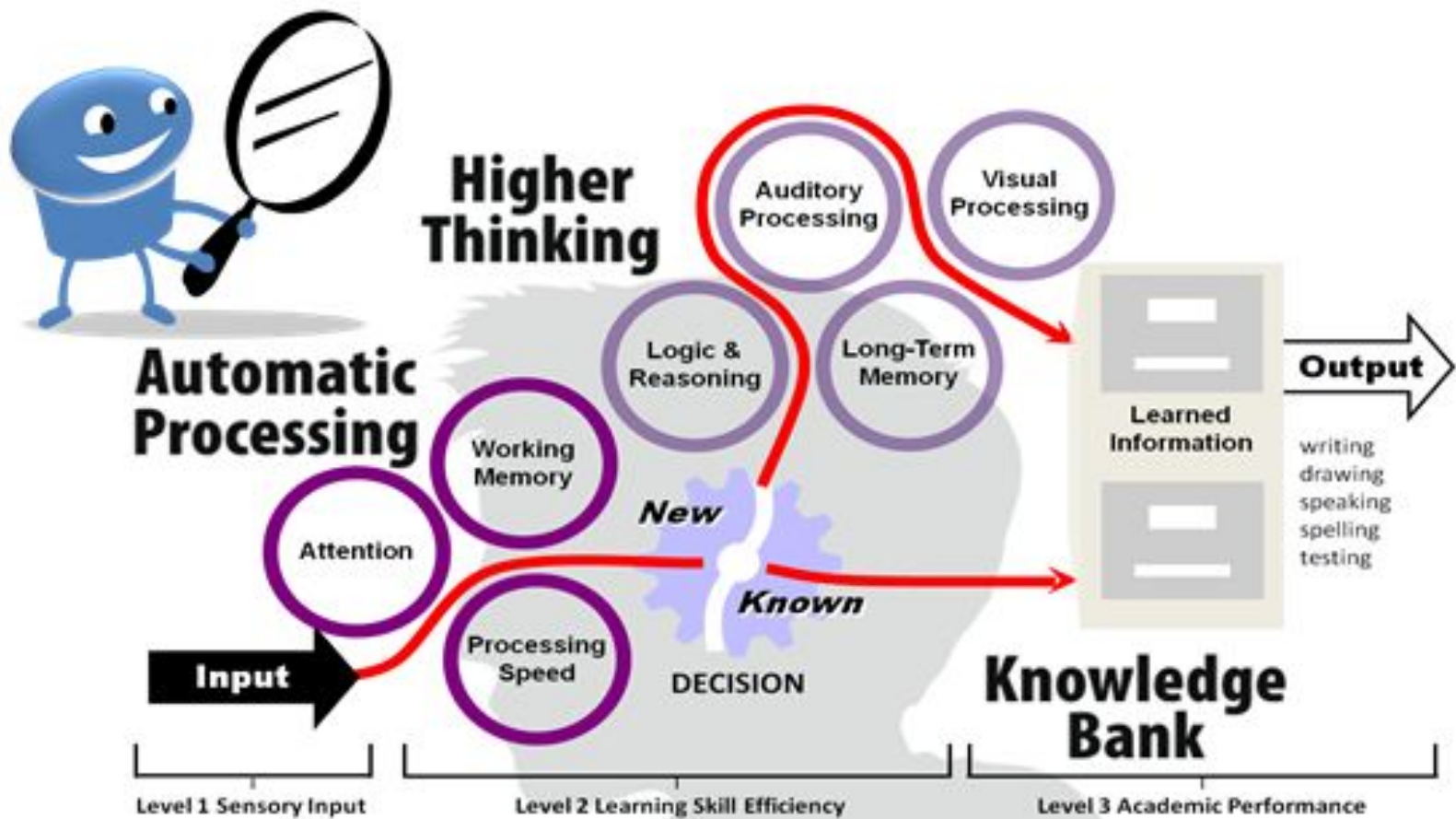
Reading Kingdom

- <https://www.readingkingdom.com>
- <http://www.asdreading.com>
- Early-reading program, up to grade 3
- Internet based, accessible anywhere
- One-year program, \$20 per student
- Patented, award-winning, research-based
- Also have version for students on Autism spectrum
- Based upon the work of Dr. Marion Blank, Columbia University
- Better suited to catch up students who are behind than traditional phonics-based programs

Sensory input system

- Irlen Syndrome; <http://irlen.com>
 - <https://www.youtube.com/watch?v=5stzPGrthYc>
- Visual Processing; <http://eyecanlearn.com>
 - Rapid automatic naming;
<http://www.balancedreading.com/doubledeficit.html>
- Processing Speed; <http://www.brainskills.com/speed/speed.swf>
- Primitive Reflex
 - <http://www.brainbalancecenters.com/blog/2014/09/retained-primitive-reflexes-sign-brain-imbalance/>
 - <http://www.pyramidofpotential.com/primitive-reflexes/>
- Balanced brain
 - Book--*Disconnected Kids* by Dr. Robert Melillo
 - <http://www.brainbalancecenters.com>

Cognitive Processing Skills



The Power to Know

(Typical Gibson Test Scores)

Name	PS	WM	VM	AM	LTM	WA	VP	AP	LR
John	27	2	1	13	24	31	41	42	42
	41	20	42	18	29	79	90	57	62
	94	36	48	37	35	35	94	79	88
Lenny	69	38	69	26	22	70	53	46	78
	61	64	90	57	86	57	32	44	59
	63	91	85	88	83	70	71	89	77
	75	42	23	74	64	71	72	56	74
Jason	42	44	11	60	30	50	55	93	97
	19	0	1	5	29	62	19	11	32
	65	76	33	97	93	81	39	93	37
	51	27	85	8	22	60	88	64	51
Jenifer	31	73	89	69	71	12	62	50	69
	37	3	3	4	7	69	66	79	3
Samantha	89	77	95	83	97	93	97	99	96
	74	78	79	83	87	78	34	92	93
	78	66	51	28	12	84	89	74	96
	58	81	64	94	90	80	91	99	95
	87	54	61	74	76	95+	80	94	98
	79	19	10	30	15	95+	76	73	93
Michael	78	85	97	82	87	91	62	29	73
	77	91	89	61	67	93	61	84	81
Group Avg.	64	50	52	51	53	67	63	62	64

Brain Training

- Sharp Brains; <http://sharpbrains.com>
- Example clinical program, Learning Rx, <http://learningrx.com>
- Over 200 programs available
 - <http://cogread.com>
- Protocols:
 - Intensive
 - Individualized
 - Consistent
 - Train at the edge of competency--not too easy, not too hard
 - Feedback
 - 30 minutes 4-5 days per week for minimum of one semester; some students will need full year

Mindset / Motivation / Brain Development

- Mindset, Carol Dweck
 - <https://www.mindsetworks.com>
- Motivation, Daniel Pink
 - http://www.ted.com/talks/dan_pink_on_motivation?language=en
- Perseverance, delayed gratification (marshmallow studies)
 - Book, *How Children Succeed* by Paul Tough
- Brainwise training
 - <http://www.brainwise-plc.org>
- Parent Scholars, online parenting training, classes
 - <http://www.parentingmatters-epc.org>

Next Steps

- Evaluate program elements as needed
- Define and set up several full demonstration programs with sufficient resources and commitment
- Screen all struggling students for Irlen
- Test all students 2nd grade and above with Gibson Test
- Make brain training available as at-home option to all students
- Expand and validate the School Village model in the pilot sites
- Establish program to connect all D11 families to the Internet