

Intervention Adoption and Data





Materials Adoption Cycle

MATERIALS ADOPTION CYCLE/ADMINISTRATIVE REGULATION BP 6141

The Superintendent will create a curriculum review cycle that complies with state laws and regulations.

- Year 1 -Reading K-6 (2015-2016)
- Year 2 – Science (K-12), Social Studies (K-12) (2016-2017)
- Year 3 – Math (PreK-12), ECE Reading (2017-2018)
- Year 4 – Career tech, Language Arts (Secondary)
- Year 5 – Arts and electives
- Year 6 – World languages, Health, Physical Education

CURRICULUM REVIEW PROCESS - 6 YEAR ROTATION

Year 3	Year 4	Year 5	Year 6	Year 1	Year 2	Year 3
2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Research & Needs <i>(Math & ECE)</i>	Research & Needs <i>(CTE & HS Lang. Arts)</i>	Research & Needs <i>(Art & Electives)</i>	Research & Needs <i>(PE/Health/ Language)</i>	Research & Needs <i>(Reading K-6)</i>	Research & Needs <i>(SCI & SS)</i>	Research & Needs <i>(Math & ECE)</i>
Pilot & Purchase <i>(Interventions)</i>	Pilot & Purchase <i>(Math & ECE)</i>	Pilot & Purchase <i>(CTE & HS LA)</i>	Pilot & Purchase <i>(Art & Electives)</i>	Pilot & Purchase <i>(PE/Health/ Language)</i>	Pilot & Purchase <i>(Reading K-6)</i>	Pilot & Purchase <i>(SCI & SS)</i>
Train & Implement <i>(SCI & SS)</i>	Train & Implement <i>(Interventions)</i>	Train & Implement <i>(Math & ECE)</i>	Train & Implement <i>(CTE & HS LA)</i>	Train & Implement <i>(Art & Electives)</i>	Train & Implement <i>(PE/Health/ Language)</i>	Train & Implement <i>(Reading K-6)</i>



CURRICULUM COMMITTEE REVIEW LIST

Intervention Pilot Evaluation

Achieve3000 (Lang. Arts 3-12 DW)
Lexia (Reading K-12 District Wide)
ALEKS (Math 3-12 District Wide)
DreamBox (Math K-6 District Wide)
Carnegie Mathia (Math 6-12 DW)
APEX (Credit Recovery 9-12 DW)
Edmentum (K-12 multi-course at ATQ)
IXL (K-12 Math Intervention at AIN)
Renaissance/STAR/AR/AM (K-12 IPK & KAK)
Edgenuity MyPath (9-12 multi-course at BHS)
Excellence In Writing (K-12 Writing at KAK)

Math Program Research

Bridges & Number Corner (Elem)
Carnegie Learning (MS, HS)
Edgenuity, Math (Elem, MS, HS)
Big Ideas - Cengage (Elem, MS, HS)
Core Focus On Math (Middle School)
Glencoe/MyMath-McGraw-Hill (K-5, MS/HS, ALEKS)
Pearson Math, enVision (Elem, MS, HS)
Acellus Math (Elem, MS, HS)
GoMath - HMH (Elem, MS, HS)

** These programs were selected for research because they were recommended by staff and/or used in other rural districts in Alaska*



CURRICULUM COMMITTEE SCHEDULE FOR 2017-18

Committee Meeting Schedule (Mondays)

Nov 27 #1 **Research** (Math) – Intro and goals
Dec 4 #1 **Pilot** (Interventions) – Intro & goals
Dec 11 #2 **Research** (Math) – Process
Jan 22 #2 **Pilot** (Interventions) – Process
Jan 29 #3 **Research** (Math) – Research
Feb 5 #3 **Pilot** (Interventions) – Research
Feb 12 #4 **Research** (Math) – Research
Feb 19 #4 **Pilot** (Interventions) – Research
Feb 26 #5 **Research** (Math) – Research
Mar 5 #5 **Pilot** (Interventions) – Research
Mar 12 #6 **Research** (Math) – Review
Mar 19 #6 **Pilot** (Interventions) – Review
Mar 26 #7 **Research** (Math) – Final discussion
April 2 #7 **Pilot** (Interventions) – Final discussion

Vendor Presentation Schedule (Tuesdays)

Feb. 6 - **Core Focus On Math** (Middle School)
Feb. 13 - **GoMath**, HMH (Elem, MS, HS)
Feb. 20 - **Glencoe**, McGraw-Hill (MS/HS, & ALEKS)
Feb. 22 - **Edgenuity** Math (Elem, MS, HS)
Feb. 27 - **Pearson** Math, enVision (Elem, MS, HS)
Mar. 1 - **Acellus** Math (Elem, MS, HS)
Mar. 6 - **MyMath**, McGraw-Hill (Elementary)
Mar. 13 - **DreamBox** (Elementary Intervention)
Mar. 20 - **Big Ideas**, Cengage (Elem, MS, HS)
Mar. 27 - **Carnegie** Learning (MS, HS)



INTERVENTION RECOMMENDATIONS FROM SY'17-18 PILOTS

LANGUAGE ARTS INTERVENTIONS		MATHEMATICS INTERVENTIONS	
to complement core program interventions		to complement core program interventions	
Reading K-5	Lexia	Elementary	Bridges Interventions
Reading 6-12	MyPath (Edgenuity)	Middle School	ALEKS (McGraw-Hill)
Writing K-12	Excellence In Writing	High School	ALEKS (McGraw-Hill)
Alternative Courses & Credit Recovery		MyPath Courseware (Edgenuity)	



MATH PILOT PROGRAM RECOMMENDATIONS FOR SY'18-19

<i>any combination of options</i>	Pilot Option A	Pilot Option B	Pilot Option C	Pilot Option D
Elementary	Bridges & Number Corner (continue adopted program)	Edgenuity/Compass (Pathfinder) & Renaissance Learning (AM/STAR)	Cengage Big Ideas	McGraw-Hill MyMath
Middle School	Core Focus Math	Edgenuity Courseware/MyPath	Cengage Big Ideas MS	McGraw-Hill Glencoe MS
High School	Carnegie Learning (continue adopted program)	Edgenuity Courseware/MyPath (Alg/Geo/Trig/Alg2/P/Calc/Calc)	Cengage Big Ideas HS AGA (Algebra/Geometry/Alg.2)	McGraw-Hill Glencoe HS (Alg/Geo/Alg.2/P/Calc)

SITE SELECTION OF PILOT MATH PROGRAMS

	<u>Elementary</u>	<u>Middle School</u>	<u>High School</u>
AIN	MyMath (McGraw-Hill)	Carnegie Learning	Carnegie Learning
AKP	Bridges/Numbers K-2 Compass/RenPlace 3-5	Carnegie Learning Compass/RenPlace 6-8	Carnegie Learning
ATQ	Bridges/Numbers	Core Focus Math Compass/RenPlace 6-8	MyPath Math (Edgenuity)
KAK	Bridges/Numbers K-2 Compass/RenPlace 3-5	Core Focus Math Compass/RenPlace 6-8	Glencoe (McGraw-Hill)
NUI	Bridges/Numbers	Core Focus Math	Glencoe (McGraw-Hill)
PHO	MyMath (McGraw-Hill)	Core Focus Math	Glencoe (McGraw-Hill)
PIZ	Bridges/Numbers	Glencoe (McGraw-Hill)	Glencoe (McGraw-Hill)
IPK	Bridges/Numbers K-1 Compass/RenPlace 2-5	****	****
HMS	****	Big Ideas MS (Cengage)	****
BHS	****	****	Glencoe (McGraw-Hill)
KLC	****	****	Big Ideas HS (Cengage)

ECCE-PreK

Teaching Strategies Gold

Creative Curriculum



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Being piloted through a grant at Nuiqsut, Point Lay, Point Hope, and Atkasuk. Teaching Strategies Gold is an observational protocol. Creative Curriculum is a framework for designing explorations around a theme.



Pilot Program Impact Data

Notes:

- Data source is NWEA MAP Fall and Winter Benchmarks, given in October and January
 - The Spring window is open currently and data is not yet available
- You will see growth data arranged by grade level for each Pilot Program. Each grade level is averaged, meaning some students scored better, and some students scored worse
- You will also see the national normed average, this is the average score of all students in the norming group, nationwide



Annual Growth vs. Catch-up Growth

- **Annual Growth** is the amount of growth needed for a student to make “one year’s worth” of progress in a given measure or assessment
- **Catch-up Growth** refers to the amount of growth needed for a student to close any gaps in achievement that they may have
 - For example, if a fifth grade student is reading at the third grade level and makes annual growth, they become a sixth grade student reading at the fourth grade level. This student needs to make more than annual growth in order to “Catch-up” to grade-level expectations.
- With Core Curricular Programs, we would expect to see annual growth being met, and with the addition of Intervention Programs, we would expect to see growth that is indicative of catching students up.



How MAP Growth works

- Students receive what are called “RIT” scores, indicating their performance against a specific set of skills. Those skills are organized into “bands” in 10 point intervals, independent of grade level
- Movement between the bands occurs at different rates depending on student age/grade level
- Younger students are expected to have annual growth in the 14-20 point range, while older students in high school are only expected to make 1-4 points per year. You will see these numbers reflected in the coming slides, adjusted for Fall to Winter growth



ALEKS

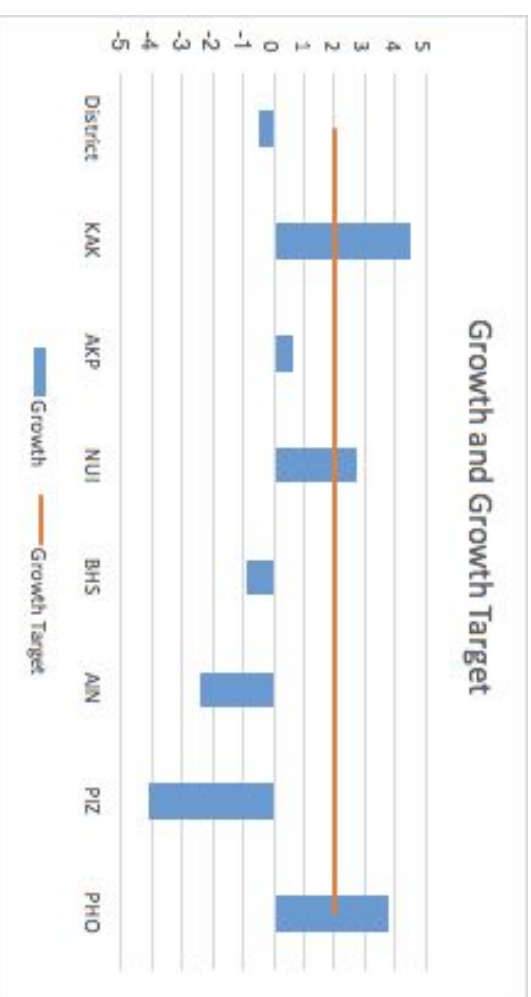
9th grade District-wide Data, Math

School	Fall RIT	Winter RIT	RIT Target	Growth	Growth Target
District	217.2	216.7	234	-0.5	2
H Kaveolook	222.5	227	234	4.5	2
Nunamiut	219.2	219.8	234	0.6	2
Trapper	213.4	217.1	234	2.7	2
Barrow HS	221.6	220.7	234	-0.9	2
Alak	203	100.6	234	-2.4	2
Kali	220.9	216.8	234	-4.1	2
Tikigaq	209.3	213.1	234	3.8	2



ALEKS

9th grade District-wide Data, Math



- Data from Meade River is not included, as they are not using ALEKS
- Data from Kiita is not included, as they do not service 9th graders



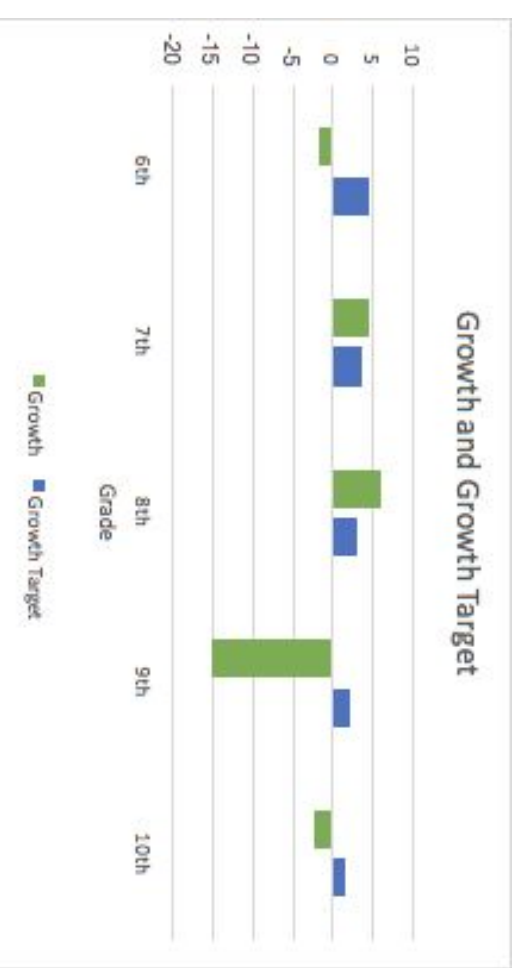
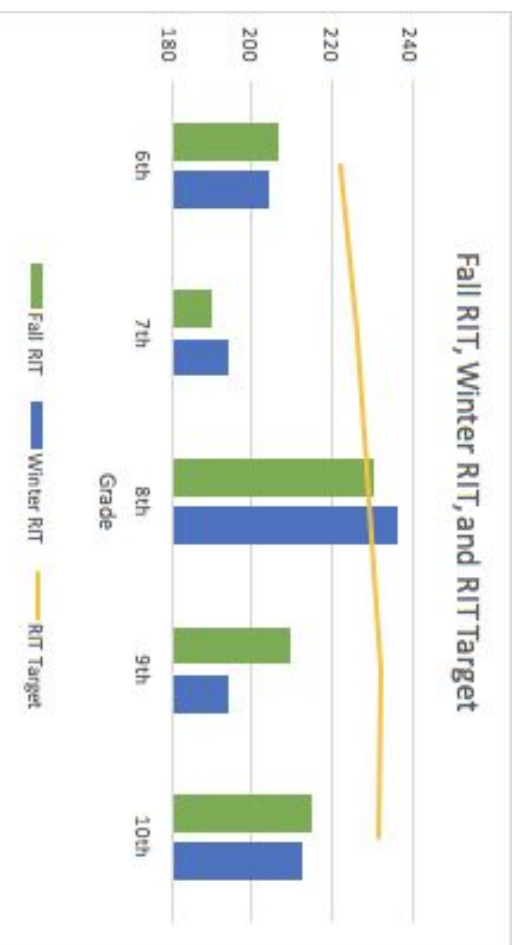
Edmentum

6th-10th Grade Meade River School, Math

Grade	Fall RIT	Winter RIT	RIT Target	Growth	Growth Target
6th	206.3	204	222.1	-1.7	4.4
7th	189.8	194.3	226.1	4.5	3.5
8th	230	236	229.1	6	2.9
9th	209.3	194.3	232.2	-15	2
10th	214.8	212.5	231.5	-2.3	1.5

Edmentum

6th-10th Grade Meade River School, Math





IXL

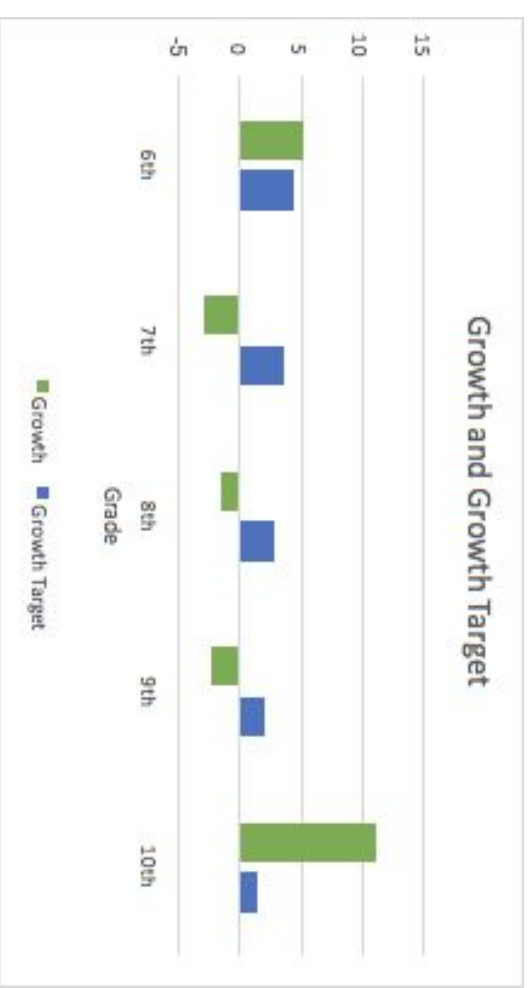
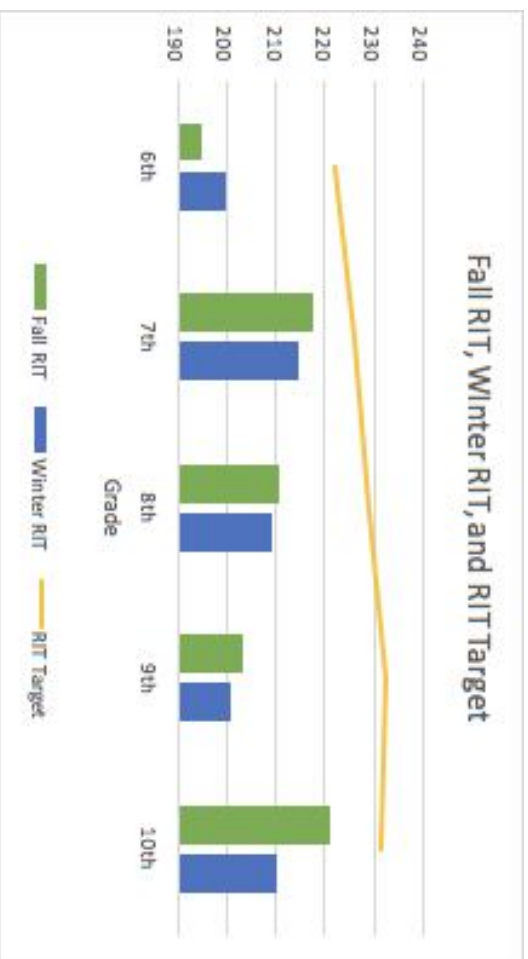
6th-10th grade Alak School, Math


Grade	Fall RIT	Winter RIT	RIT Target	Growth	Growth Target
6th	194.6	199.8	222.1	5.2	4.4
7th	217.7	214.8	226.1	-2.9	3.5
8th	210.4	208.9	229.1	-1.5	2.9
9th	203	200.6	232.2	-2.4	2
10th	221.1	209.9	231.5	11.2	1.5



IXL

6th-10th grade Alak School, Math





Edgenuity/ Compass Learning

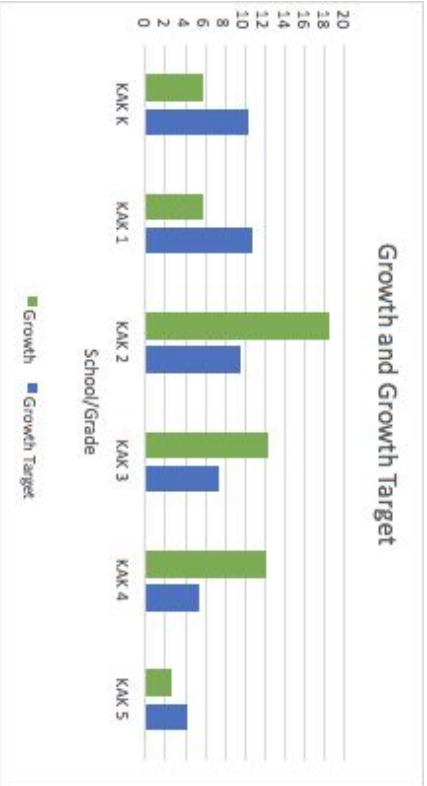
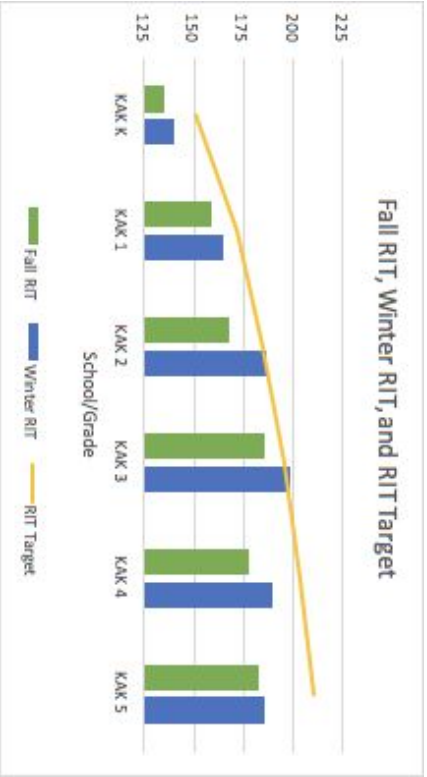
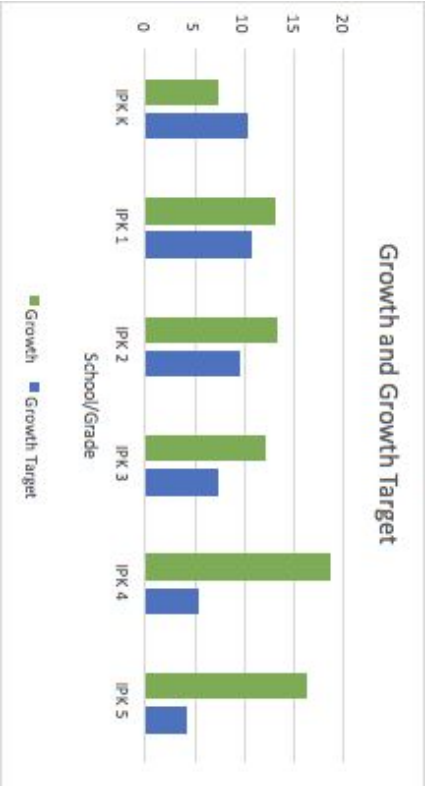
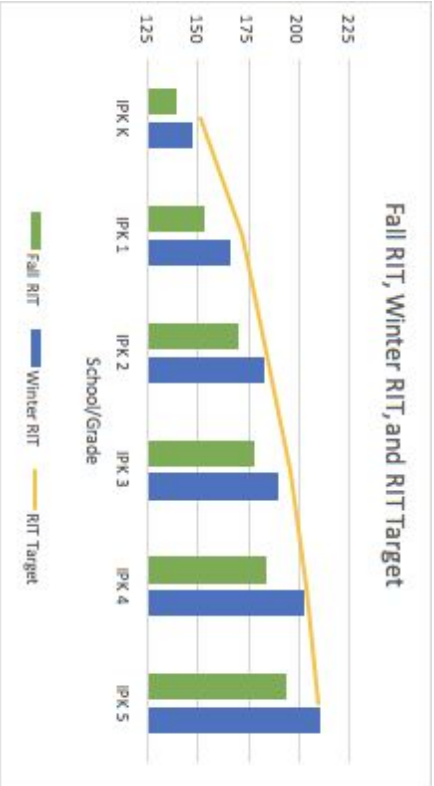
K-5th grade, Ipalook and H. Kaveolook Reading

School/ Grade	Fall RIT	Winter RIT	RIT Target	Growth	Growth Target
IPK K	139.4	146.8	151.3	7.4	10.3
IPK 1	152.7	165.8	171.5	13.1	10.8
IPK 2	169.5	182.7	184.2	13.2	9.5
IPK 3	178.1	190.2	195.6	12.1	7.3
IPK 4	184.3	203	203.6	18.7	5.4
IPK 5	194	210.2	209.8	16.2	4.2
KAK K	134.8	140.5	151.3	5.7	10.3
KAK 1	159.3	165	171.5	5.7	10.8
KAK 2	167.8	186.3	184.2	18.5	9.5
KAK 3	186	198.3	195.6	12.3	7.3
KAK 4	177.6	189.7	203.6	12.1	5.4
KAK 5	183	185.7	209.8	2.7	4.2

Edgenuity/ Compass Learning

K-5th grade, Ipdlook and H. Kaveolook

Reading





Edgenuity/ Compass Learning

K-5th grade, Ipdlook and H. Kaveolook

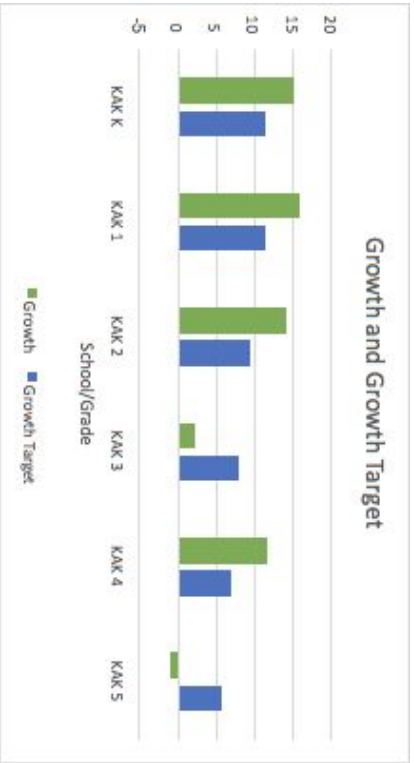
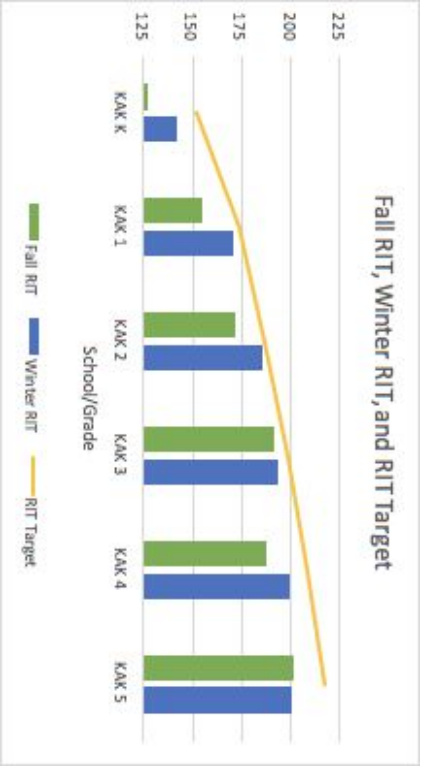
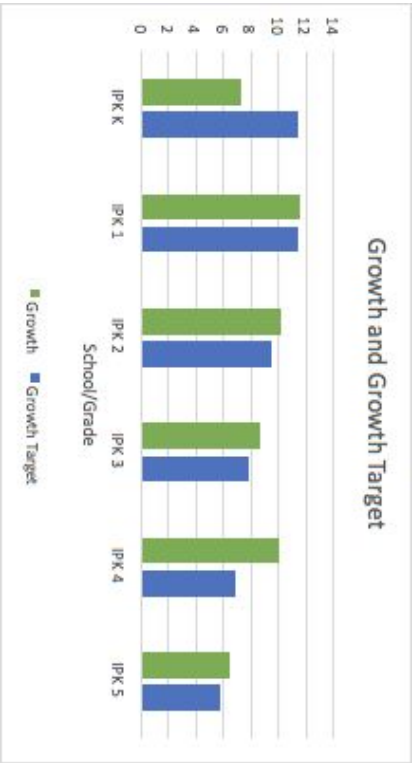
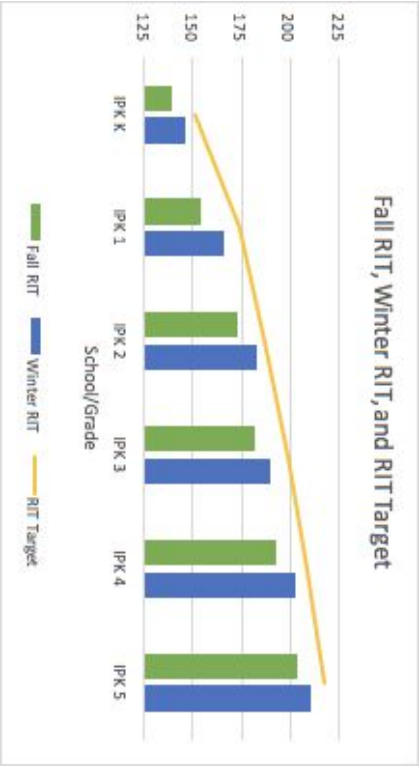
Math

School/ Grade	Fall RIT	Winter RIT	RIT Target	Growth	Growth Target
IPK K	139.3	146.5	151.5	7.2	11.4
IPK 1	154.3	165.8	173.8	11.5	11.4
IPK 2	172.5	182.7	186.4	10.2	9.5
IPK 3	181.6	190.2	198.2	8.6	7.8
IPK 4	192.9	203	208.7	10.1	6.8
IPK 5	203.8	210.2	217.2	6.4	5.8
KAK K	127.4	142.5	151.5	15.1	11.4
KAK 1	154.8	170.5	173.8	15.7	11.4
KAK 2	172	186	186.4	14	9.5
KAK 3	191	193.3	198.2	2.3	7.8
KAK 4	187.6	199.3	208.7	11.7	6.8
KAK 5	201	200	217.2	-1	5.8

Edgenuity/ Compass Learning

K-5th grade, Ipalook and H. Kaveolook

Math



Qayanaq

