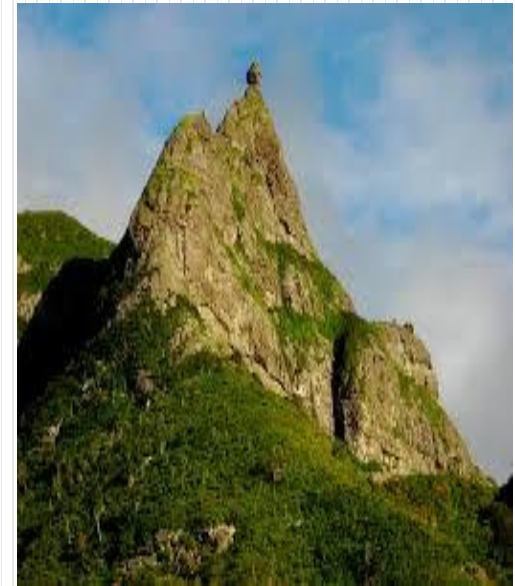




Greenburgh Central  
School District

# Advanced Learning Program 2018-2019

ALP  
Grades 1, 2, 3, 4, 5, 6





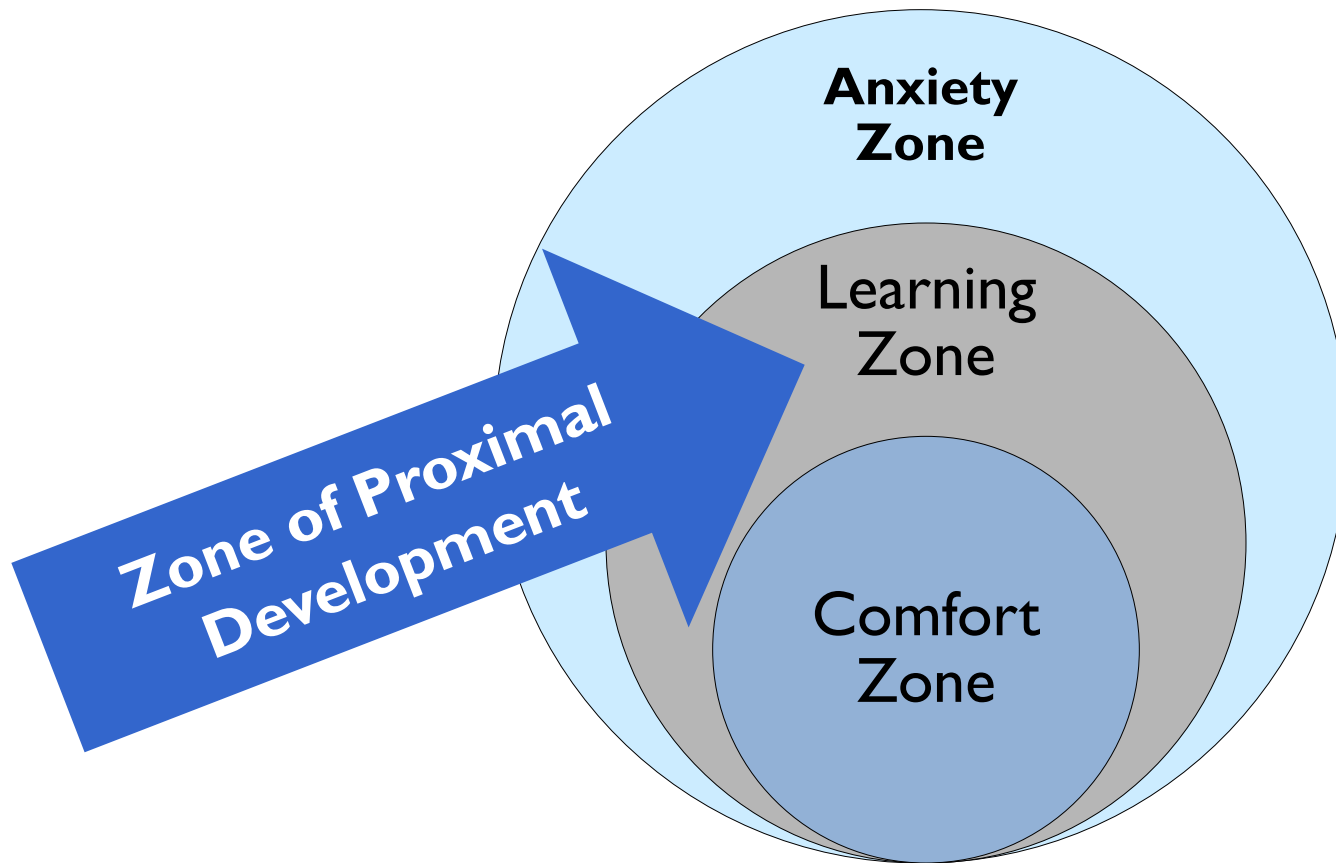
**What is best  
for this child?**

# Current Challenge

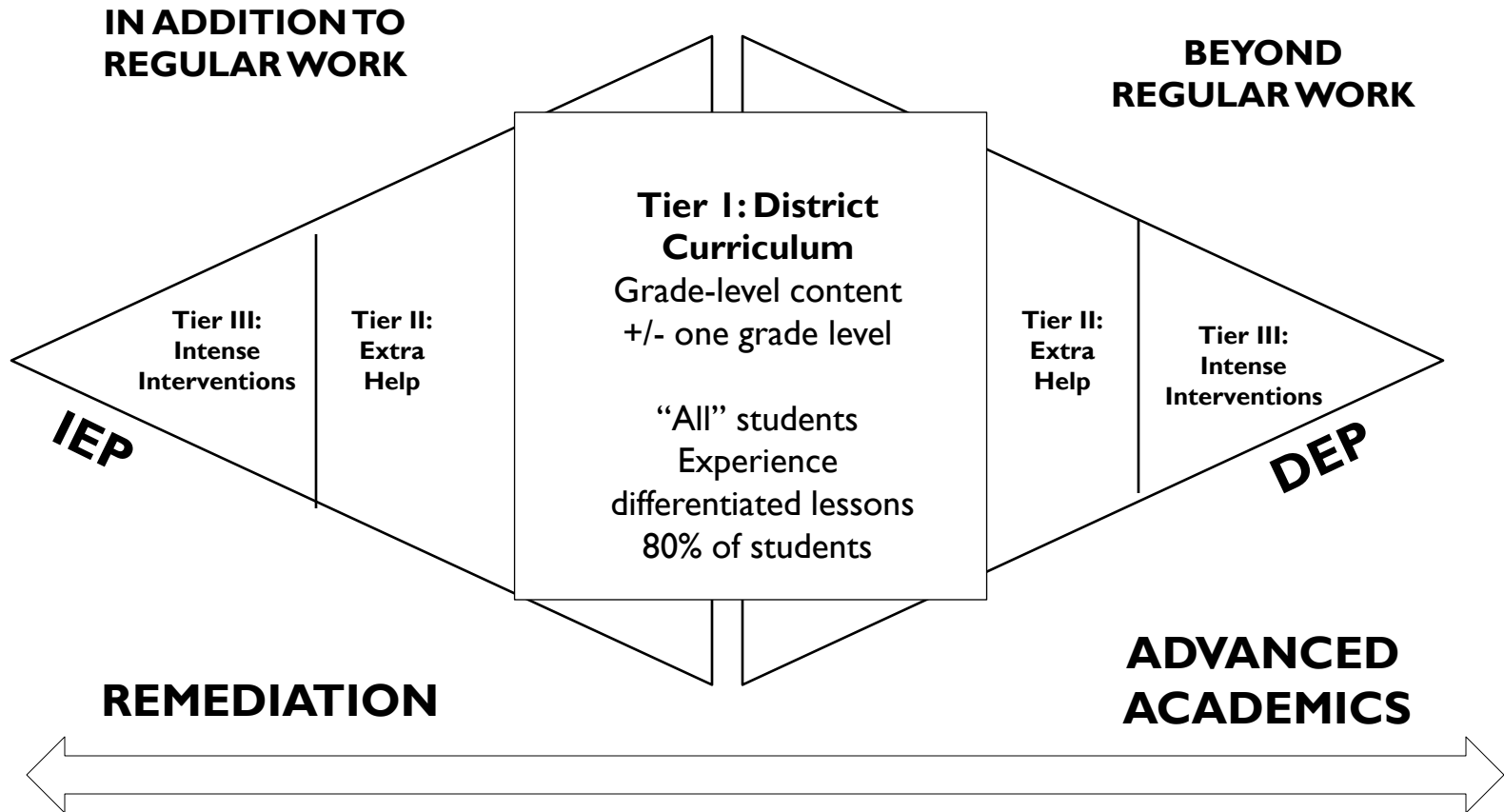


In examining what is best for each child, we find some students are not being challenged by current programs and curriculum to expand their potential and reach their highest levels of academic achievement.

Some students are not being challenged beyond their comfort zone.



# RESPONSE TO INTERVENTION



# **Some Research Principles for Advanced Learners**

**Education Update, December 2017**



- 1. Universal Screening of All Students**
- 2. Test All Students as Early as Possible**
- 3. Use Multiple Measures for Reasoning and Cognitive Skills**
- 4. Alert All parents to the Accelerated Learning Program**
- 5. Cluster Advanced Learners in Accelerated Courses With a Curriculum Up to Two Grade Levels Higher**

# ALP: LF Jackson School



ALP Classes	Program Model	Hours Per Week
<b><u>Kindergarten</u></b>		
Spring Semester Identification Program		
<b><u>Grade I Enrichment</u></b>		
Reading	ALP Language Arts	3 Forty Minute Periods (Alternate Days)
Mathematics	ALP Mathematics	3 Forty Minute Periods (Alternate Days)

# ALP: Highview School



ALP Classes	Program Model	Hours Per Week
<b><u>Grade 2 Replacement</u></b>		
Reading	ALP Language Arts	Daily for Two Periods
Mathematics	ALP Mathematics	Daily for Two Periods
Science	ALP Science	3 Days in 6 Day Cycle
<b><u>Grade 3 Replacement</u></b>		
Reading	ALP Language Arts	Daily for Two Periods
Mathematics	ALP Mathematics	Daily for Two Periods
Science	ALP Science	3 Days in 6 Day Cycle



# ALP: RJ Bailey School



ALP Classes	Program Model	Hours Per Week
<b><u>Grade 4, 5 and 6 Replacement</u></b>		
Reading	ALP Language Arts	Daily for Two Periods
Mathematics	ALP Mathematics	Daily for Two Periods
Science	ALP Science	3 Days in 6 Day Cycle

# Advanced Learning Program Overview



## Reading

Students extend their understanding of language beyond the literal and inferential into the realm of evaluative analysis. Inquiry based learning.

## Mathematics

In addition to demonstrating mastery of grade level and extension to higher grade standards, students are provided **with rich challenging problems** that require the use of **analytical reasoning**.

## Science

The inquiry-based learning format encourages students to develop scientific habits of mind while actively involved in acquiring significant science content through solving a “real world” problem.

# Proposed Staffing Design



## Recruit 4 New Teachers

- Replace 2 retirees
- Support ALP Program with 2 New Hires



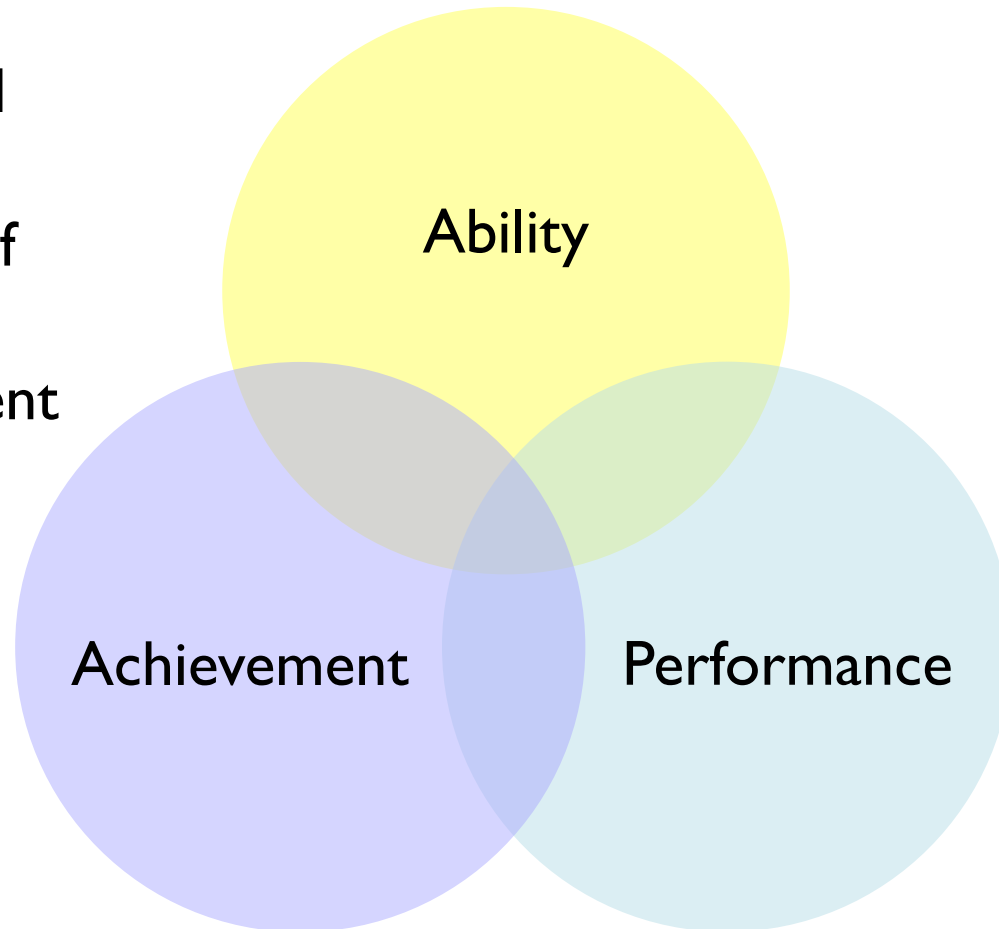
# Proposed Staffing Design for New Hires

School	Subject	FTE	Grades
LFJ/HV	ELA/Math	1.0	1,2,3
HV	Math/Science	1.0	2,3
RJB	Math	1.0	6
RJB	ELA or Math	1.0	4,5,6

# Greenburgh's ALP Placement Process



Valid and  
Reliable  
Picture of  
Student  
Achievement

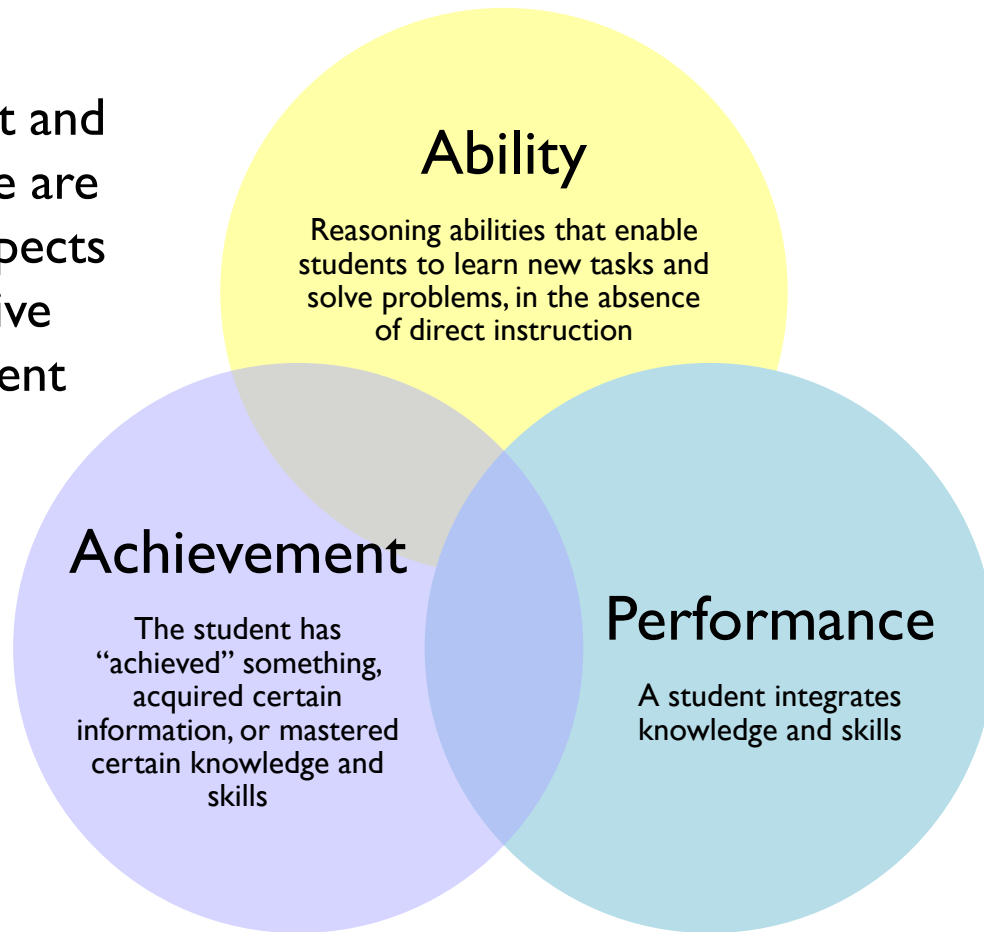


No one score on any one measure determines placement.

# Greenburgh's ALP Placement Process



Ability,  
Achievement and  
Performance are  
Different Aspects  
of Cognitive  
Development



# Describe Greenburgh's Placement Criteria: Grades K-6



<b>Criteria</b>	<b>Name of Instrument(s)</b>
1. Ability Assessment	CogAT <ul style="list-style-type: none"><li>• Verbal</li><li>• Quantitative</li></ul>
2. Achievement Assessment	<ul style="list-style-type: none"><li>• i-Ready</li><li>• NYS ELA, Math Tests (Grades 3-6)</li><li>• STAR Assessments ELA/Math</li><li>• NYS Science Test (Grade 4)</li></ul>
3. Performance Assessment /Teacher Recommendation	



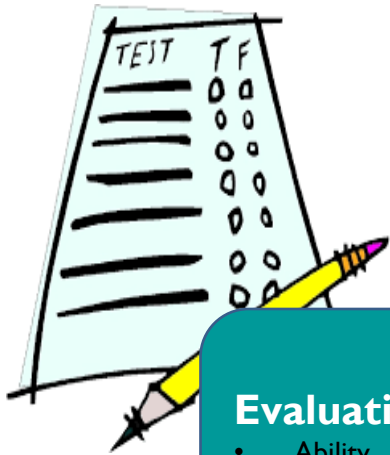
### Evaluation

- Ability
- Achievement
- Performance

## Cognitive Abilities Test (CogAT) Verbal Battery

Measures reasoning with  
verbal materials and in  
solving verbal problems





### Evaluation

- Ability
- Achievement
- Performance

## Cognitive Abilities Test (CogAT) Quantitative Battery

Measures working with  
quantitative symbols and  
the student's ability to  
discover relationships

# Spring Screening for September 2018



<b>Current Year Grade</b>	<b>Next Year's Grade</b>	<b>Screening Level</b>	<b>CoGat Subtests</b>
K	First	5/6	Picture and Number Analogies Figure Matrices
1	Second	7	Picture and Number Analogies Figure Matrices
2	Third	8	Picture and Number Analogies Figure Matrices
3	Fourth	9	Verbal and Number Analogies Figure Matrices
4	Fifth	10	Verbal and Number Analogies Figure Matrices
5	Sixth	11	Verbal and Number Analogies Figure Matrices



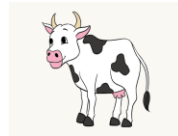
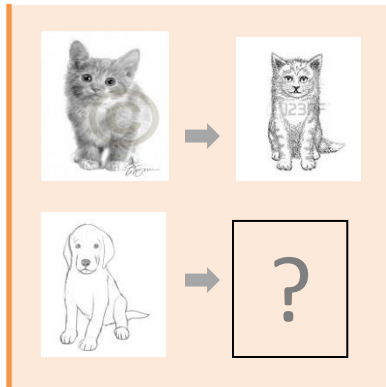
# Testing Schedule for Advanced Learning Program

<b>Two Types</b>	<b>CoGAT and ELA and Math Star Assessments</b>
Length for each type	30 minute electronic tests
K-2 Testing	March 20 <sup>th</sup> – April 13 <sup>th</sup>
3-6 Testing	April 16 <sup>th</sup> – April 30 <sup>th</sup>

# Picture Analogy Example Kindergarten, Level 5/6



## Kindergarten, Level 5/6



# Verbal Analogy Examples



## Third Grade, Level 9

**right** → **left** : **over** →

**A** finished

**B** out

**C** above

**D** around

**E** under

## Fifth Grade, Level 10-17/18

**TV** → **watch** : **book**

**A** deliver

**B** comics

**C** read





**D** magazine





**E** listen

# Figure Matrices











## Second Grade, Level 8

	→	
	→	

## Fourth Grade, Level 10-17/18

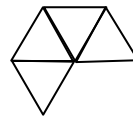
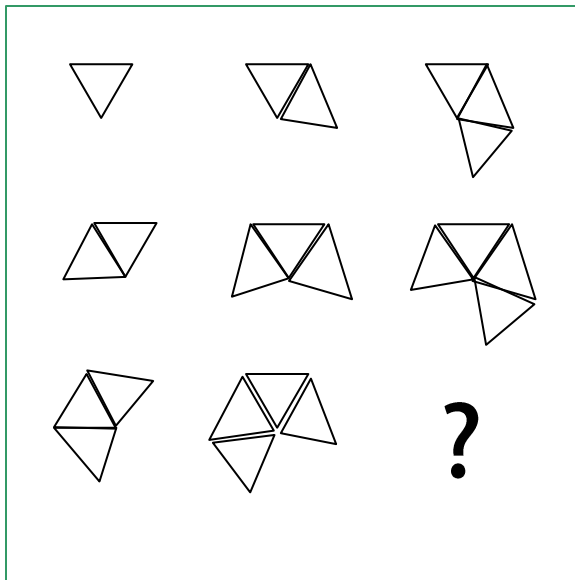
	→	
	→	

**A**  **B**  **C**  **D** 

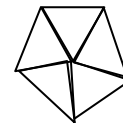
# Figure Matrices



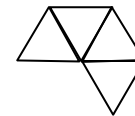
Fifth Grade, Level 10-17/18



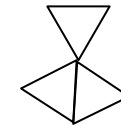
A



B



C



D

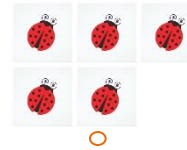
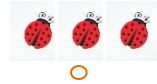
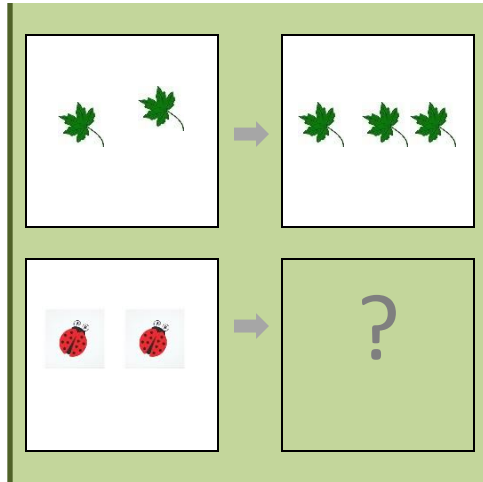


E

# Number Analogy Examples



## First Grade, Level 7



## Fourth Grade, Level 10-17/18

[1 → 2]

[3 → 4]

[5 → ?]

A 2

B 4

C 6

D 8

E 12

## Fifth Grade, Level 10-17/18

[2 → 5]

[4 → 9]

[3 → ?]

A 4

B 5

C 6

D 7

E 8