

# Supplemental Information on Growth Measures

Presentation to the  
Education Subcommittee of  
the Senate Finance Committee  
1/18/18

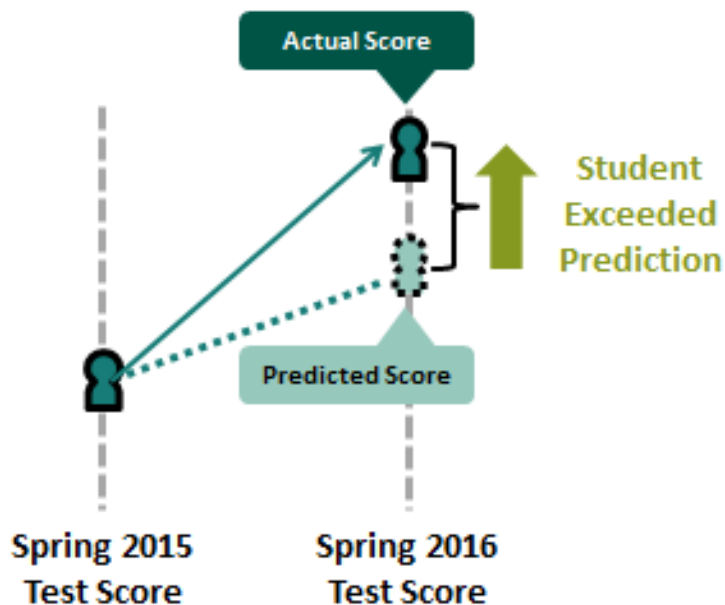
# 2017 Growth Pilot

- **The 2016 General Assembly directed the Department of Education to conduct a pilot to investigate a student growth model that could be applied for school and division accountability.**
- **Contracts were awarded to Education Analytics and SAS.**
- **Both vendors proposed the use of growth measures involving statistical predictions based on the student's prior achievement on SOL tests and the performance of similar students.**

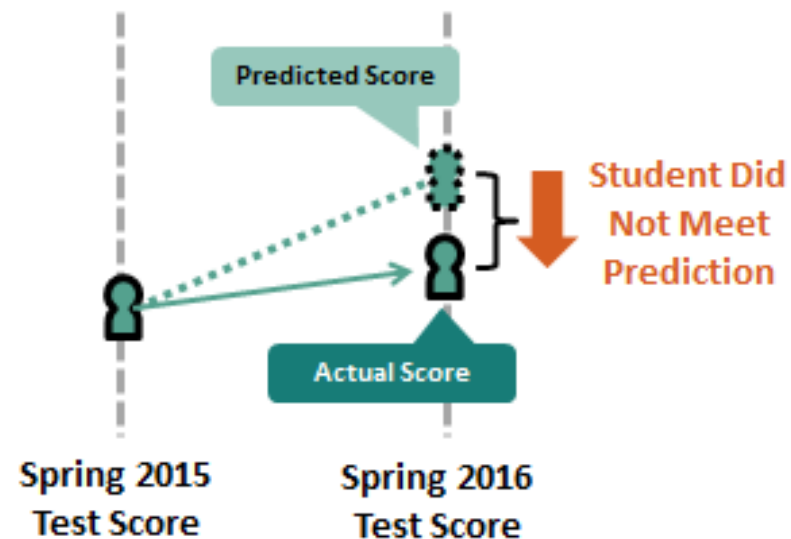
# An Example...

After the statewide assessments are administered, a statistical prediction is made for each student based on his/her previous performance and that of similar students across Virginia. Students' actual scores and predicted scores are compared to determine whether each student met or exceeded the prediction and by how much.

Student 1:



Student 2:



# Concerns with the Predictive Growth Models

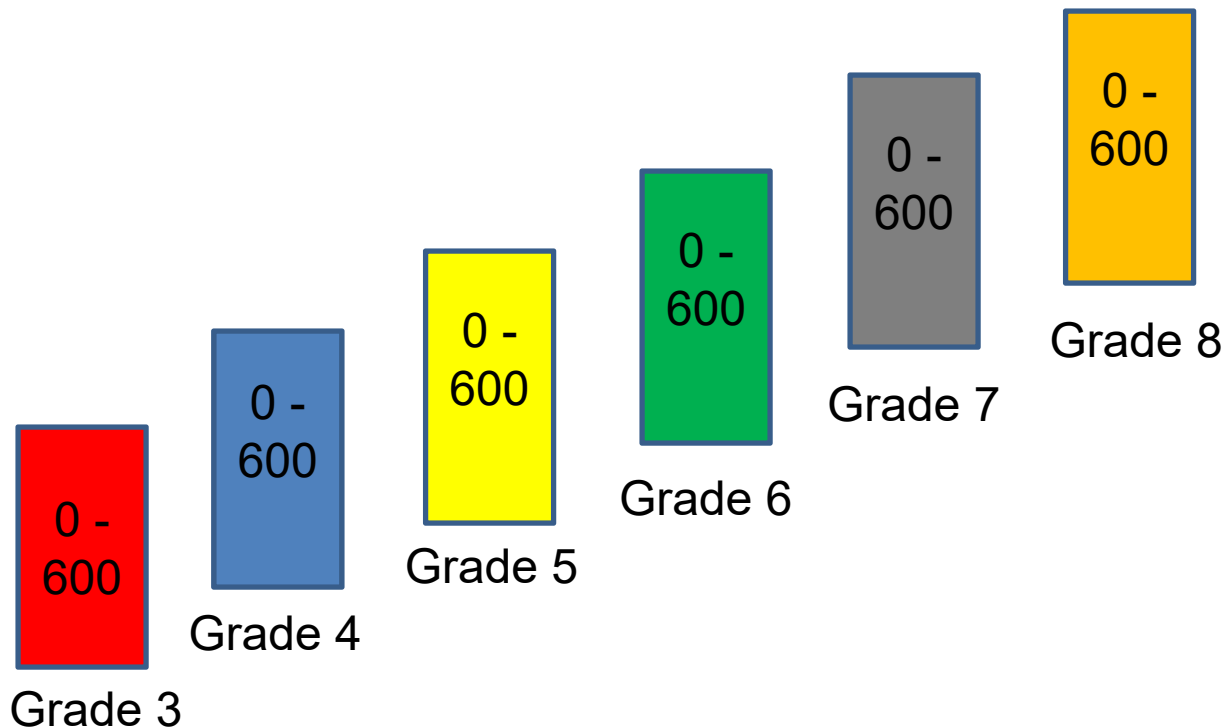
- **Results are based on a comparison of student performance against predicted performance rather than actual performance from the previous year.**
- **Data analysis will be difficult to replicate by school divisions.**
- **Results must be calculated each year and cannot be completed until approximately three to six weeks after spring testing is complete.**
- **Cost to calculate are incurred each year.**

# Use of a “Growth” Scale as a Measurement of Growth

- Funds in introduced budget would be used to support the development of growth (vertical) scales.
- Growth is based on comparing a student’s performance to his/her own previous performance on SOL tests.
- Requires linking SOL tests together.
- Expectations for growth can be defined so that the teacher and student know what is needed at the beginning of the year.
- Understandable and transparent.

# Current SOL Scale

Scores on each SOL test are currently reported on a 0 - 600 scale that is specific to that test.



# Sample Growth Scale

A growth scale would allow for the reporting of scores across SOL tests.

