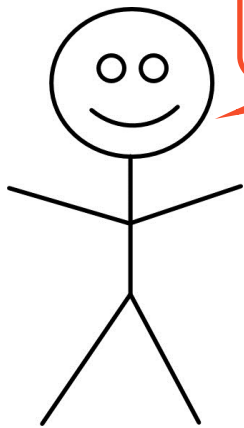


Understanding the Growth Model



Hi! I'm Antonio!
I'm in kindergarten!

Example Scenario. Let's determine Antonio's value added score (VAS) for the kindergarten Istation assessment

What We Need to Know:

- Antonio's kindergarten Istation scores
–BOY and MOY scores

Academic Peer Groups

All students who scored a 176 on the kindergarten BOY Istation assessment are grouped together.

Then

All students who scored an Istation 176 kinder BOY AND a 185 kinder MOY are grouped together.

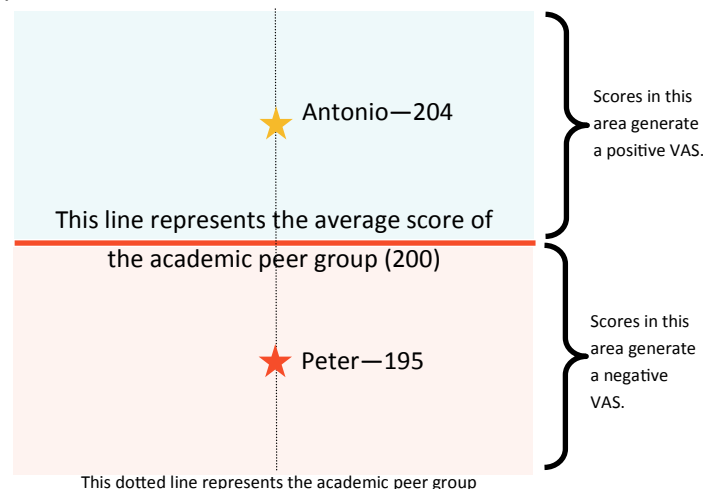
This is Antonio's academic peer group.

Value Added Scores

- If Antonio scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Antonio scores **above** the average of his academic peer group, then VAS points will be **positive**.

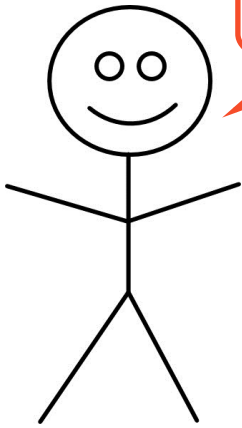
Let's see some VAS examples:

1. If the average score of Antonio's academic peer group was 200 and Antonio scored a 204, he showed more growth than the average, which would result in positive VAS points.
2. If the average score of Antonio's academic peer group was 200 and Antonio's friend, Peter, scored a 195, he showed less growth than the average, resulting in negative VAS points.



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



Hi! I'm Matt! I'm in 1st grade!

Example Scenario. Let's determine Matt's value added score (VAS) for the 1st-grade Istation assessment

What we need to know:

- Matt's Kindergarten EOY Istation score
- Matt's 1st-grade Istation scores
 - BOY and MOY

Academic Peer Groups

All students who scored 200 on the Kindergarten EOY Istation assessment are grouped together.

Then

All students who scored 200 on the Kindergarten EOY, 200 on the 1st grade BOY AND a 210 on the 1st grade MOY are grouped together.

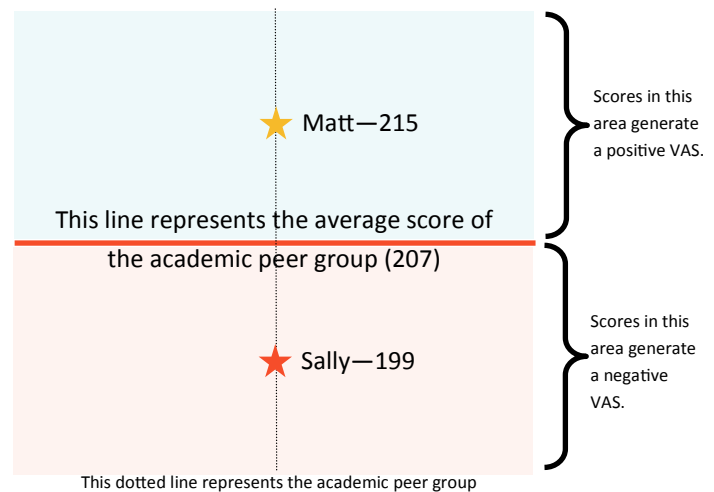
This is Matt's academic peer group.

Value Added Scores

- If Matt scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Matt scores **above** the average of his academic peer group then, VAS points will be **positive**.

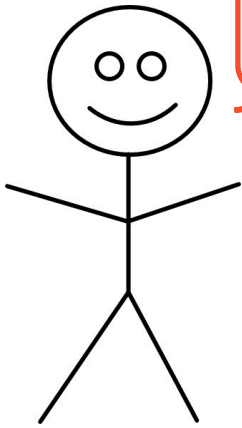
Let's see some VAS examples:

1. If the average score of Matt's peer group was 207 and Matt scored a 215, he showed more growth than the average, which would result in positive VAS points.
2. If the average score of Matt's peer group was 207 and Matt's friend, Sally, scored a 199, she showed less growth than the average, which would result in negative VAS points.



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



Hi! I'm Santiago!
I'm in
2nd grade!

Example Scenario. Let's determine Santiago's value added score (VAS) for the 2nd-grade Istation assessment.

What we need to know:

- Santiago's 1st grade Istation EOY score
- Santiago's 2nd-grade Istation scores
 - BOY and MOY

Academic Peer Groups

All students who scored a 220 on their 1st grade EOY Istation assessment are grouped together.

Then

All students who scored a 220 on their 1st-grade EOY, a 220 on their 2nd-grade BOY and a 225 on their 2nd grade MOY are grouped together.

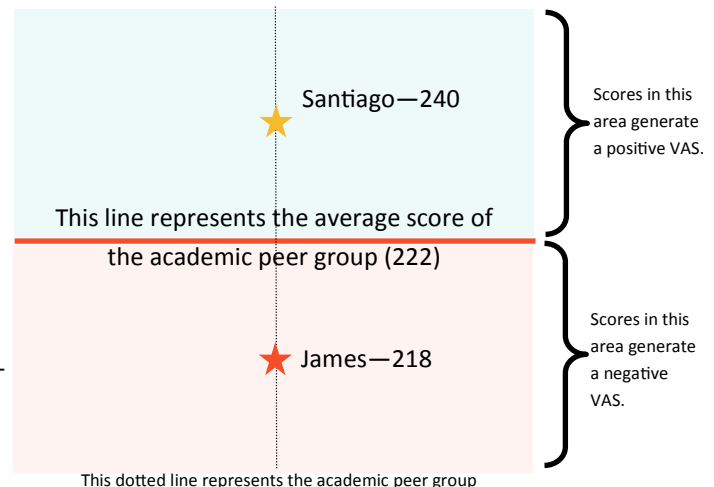
This is Santiago's academic peer group.

Value Added Scores

- If Santiago scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Santiago scores **above** the average of his academic peer group, then VAS points will be **positive**.

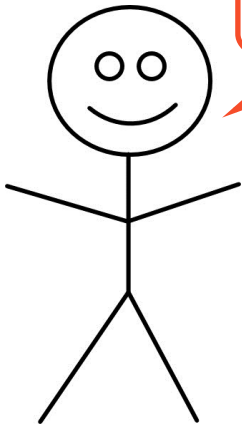
Let's see some VAS examples:

1. If the average score of Santiago's academic peer group was 222 and Santiago scored a 240, he showed more growth than the average, which would result in positive VAS points.
2. If the average score of Santiago's peer group was 222 and Santiago's friend, James, scored a 218, he showed less growth than the average, which would result in negative VAS points.



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



Hi! I'm Sarah! I'm in 3rd grade!

Example Scenario. Let's determine Sarah's value added score (VAS) for the 3rd- grade PARCC ELA assessment.

What we need to know:

- Sarah's prior two years of Istation data
 - BOY and MOY Istation 2nd Grade
 - EOY Istation 2nd grade

Academic Peer Groups

All students who scored a 220 on 2nd-grade Istation BOY and a 230 on Istation 2nd-grade MOY assessment are grouped together.

Then

All students who scored a 220 on 2nd-grade Istation BOY and a 230 on Istation 2nd-grade MOY AND a 235 on their 2nd- grade Istation EOY are grouped together.

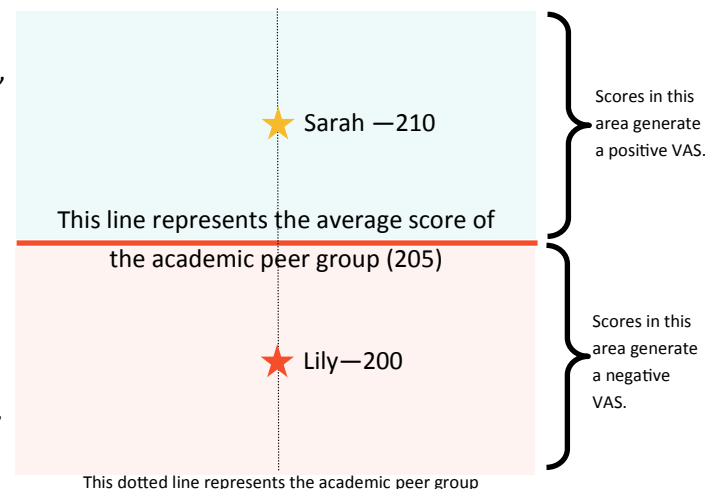
This is Sarah's academic peer group.

Value Added Scores

- If Sarah scores **below** the average of her academic peer group, then VAS points will be **negative**.
- If Sarah scores **above** the average of her academic peer group, then VAS points will be **positive**.

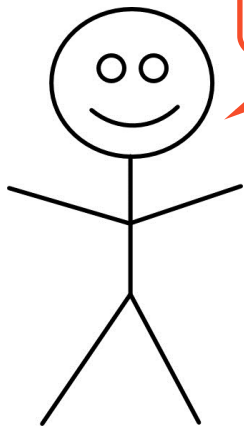
Let's see some VAS examples:

1. If the average score of Sarah's academic peer group was 205 and Sarah scored a 210, she showed more growth than the average, which would result in positive VAS points.
2. If the average score of Sarah's academic peer group was 205 and Sarah's friend, Lily, scored a 200, she showed less growth than the average, which would result in negative VAS points.



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



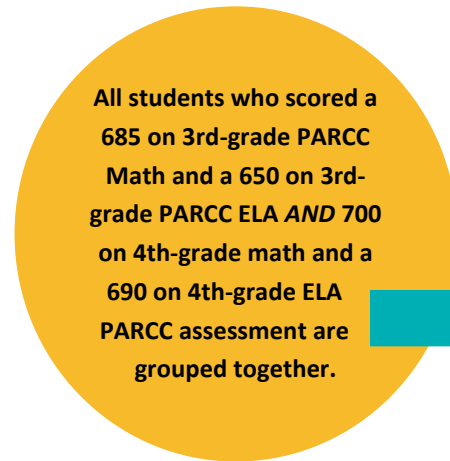
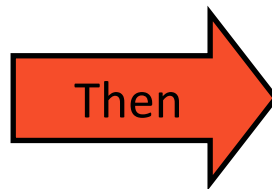
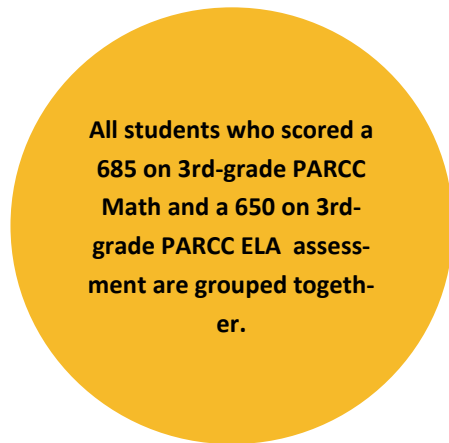
Hi! I'm Joseph!
I'm in 5th grade!

Example Scenario. Let's determine Joseph's value added score (VAS) for the 5th-grade PARCC Math assessment.

What we need to know:

- Joseph's prior two years of PARCC data
 - 3rd-grade Math PARCC: 685
 - 3rd-grade ELA PARCC: 650
 - 4th-grade math PARCC: 700
 - 4th-grade ELA PARCC: 690

Academic Peer Groups



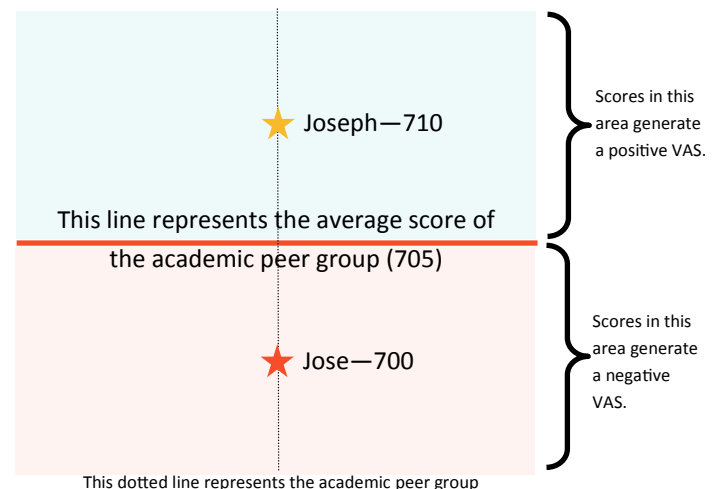
This is Joseph's academic peer group

Value Added Scores

- If Joseph scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Joseph scores **above** the average of his academic peer group, then VAS points will be **positive**.

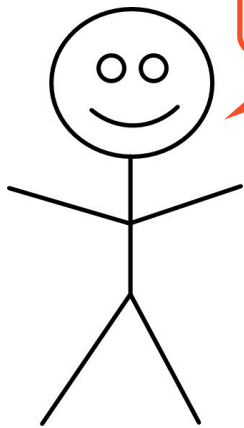
Let's see some VAS examples:

1. If the average score of Joseph's academic peer group was 705 and Joseph scored a 710, he showed more growth than the average, which would result in positive VAS points.
2. If the average score of Joseph's peer group was 705 and Joseph's friend, Jose, scored a 700, he showed less growth than the average, which would result in negative VAS points.



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



Hi! I'm Jimmy!
I'm in 6th grade!

Example Scenario. Let's determine Jimmy's value added score (VAS) for the 6th- grade PARCC ELA assessment.

What we need to know:

- Jimmy's prior two years of PARCC data
 - 4th-grade PARCC ELA: 690
 - 4th-grade PARCC Math 675
 - 5th-grade PARCC ELA: 705
 - 5th-grade PARCC Math: 700

Academic Peer Groups

All students who scored a 690 on 4th-grade PARCC ELA and 675 on 4th-grade PARCC Math assessment are grouped together.

Then

All students who scored a 690 on 4th- grade PARCC ELA and 675 on 4th-grade PARCC Math **AND** a 705 on 5th-grade PARCC ELA and 700 on 5th-grade PARCC math are grouped together.

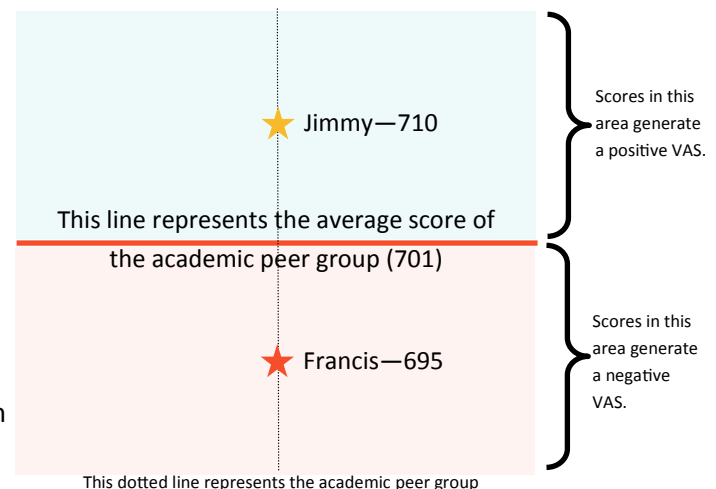
This is Jimmy's academic peer group.

Value Added Scores

- If Jimmy scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Jimmy scores **above** the average of his academic peer group then, VAS points will be **positive**.

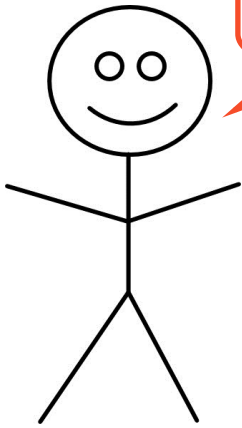
Let's see some VAS examples:

1. If the average score of Jimmy's academic peer group was 701 and Jimmy scored a 710, he showed more growth than the average, which would result in positive VAS points.
2. If the average score of Jimmy's peer group was 701 and Jimmy's friend, Francis, scored a 695, he showed less growth than the average, which would result in negative VAS points.



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



Hi! I'm Julia! I'm in 8th grade!

Example Scenario. Let's determine Julia's value added score (VAS) for the 8th-grade PARCC ELA assessment.

What we need to know:

- Julia's prior two years of PARCC data
 - 6th-grade PARCC ELA: 732
 - 6th-grade PARCC Math: 754
 - 7th-grade PARCC ELA: 740
 - 7th-grade PARCC Math: 730

Academic Peer Groups

All students who scored a 732 on 6th-grade PARCC ELA and 754 on 6th grade PARCC Math are grouped together.

Then

All students who scored a 732 on 6th-grade PARCC ELA and 754 on 6th-grade PARCC Math AND 740 on 7th-grade PARCC ELA and 730 on 7th-grade PARCC Math are grouped together.

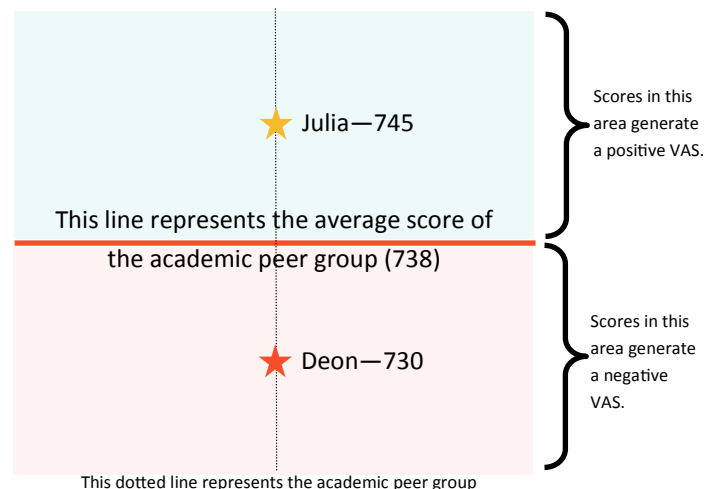
This is Julia's academic peer group.

Value Added Scores

- If Julia scores **below** the average of her academic peer group, then VAS points will be **negative**.
- If Julia scores **above** the average of her academic peer group, then VAS points will be **positive**.

Let's see some VAS examples:

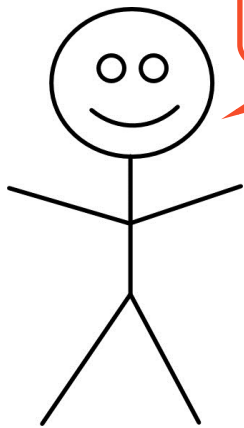
1. If the average score of Julia's academic peer group was 738 and Julia scored a 745, she showed more growth than the average, which would result in positive VAS points.
2. If the average score of Julia's peer group was 738 and Julia's friend, Deon, scored a 730, he showed less growth than the average, which would result in negative VAS points.



This dotted line represents the academic peer group

To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.

Understanding the Growth Model



Hi! I'm Regina!
I'm in 11th grade!

Example Scenario. Let's determine Regina's value added score (VAS) for the 11th-grade PARCC ELA assessment.

What we need to know:

- Regina's prior two years of PARCC data
 - 9th Grade PARCC ELA: 742
 - 9th Grade PARCC Math: 745
 - 10th Grade PARCC ELA: 750
 - 10th Grade PARCC Math: 747

Academic Peer Groups

All students who scored a 742 in 9th-grade PARCC ELA and 745 in 9th-grade PARCC Math are grouped together.

Then

All students who scored a 742 in 9th-grade PARCC ELA and 745 in 9th-grade PARCC Math AND a 750 in 10th-grade PARCC ELA and 747 in 10th-grade PARCC Math are grouped together.

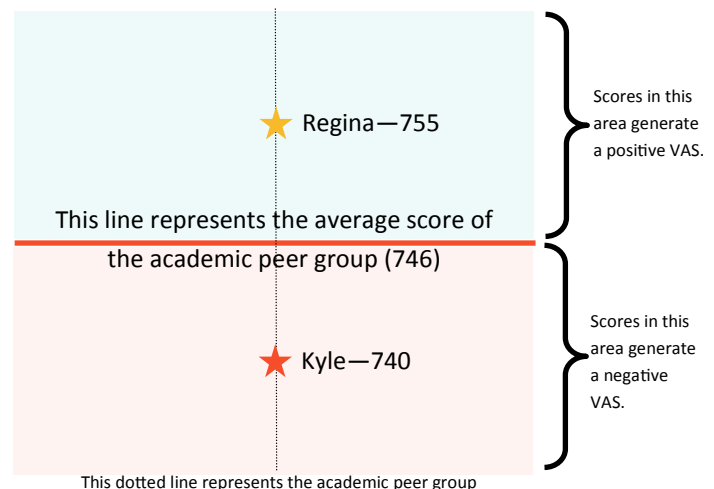
This is Regina's academic peer group

Value Added Scores

- If Regina scores **below** the average of her academic peer group, then VAS points will be **negative**.
- If Regina scores **above** the average of her academic peer group, then VAS points will be **positive**.

Let's see some VAS examples:

1. If the average score of Regina's academic peer group was 746 and Regina scored a 755, she showed more growth than the average, which would result in positive VAS points.
2. If the average score of Regina's academic peer group was 746 and Regina's friend, Kyle, scored a 740, he showed less growth than the average, which would result in negative VAS



To learn more about academic peer groups and value added scores, read the NMTEACH Technical Guide.