

Understanding the Growth Model

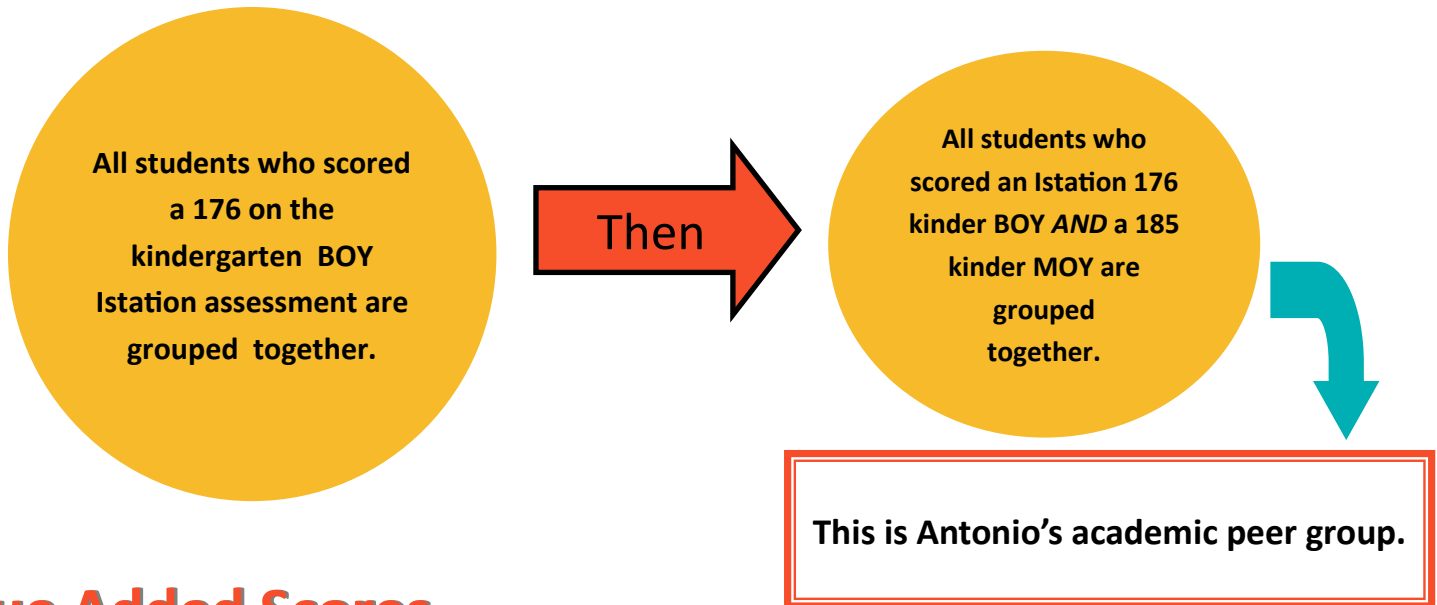


Example Scenario. Let's determine Antonio's value added score (VAS) for the kindergarten Istation assessment

What We Need to Know:

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

Academic Peer Groups

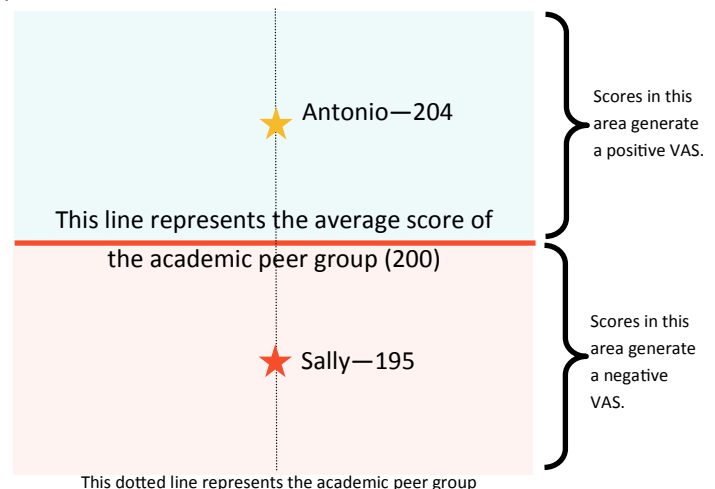


Value Added Scores

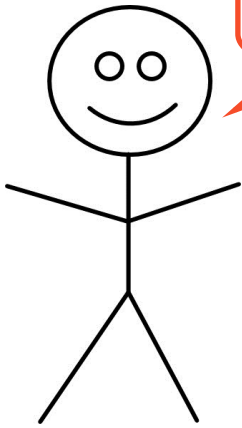
- If Antonio scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Antonio scores **above** the average of his academic peer group, then VAS points will be **positive**.

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, Sally, scored a 195, she showed less growth than the average, resulting in negative VAS points.



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 1st-grade Istation scores
 - BOY and MOY

Academic Peer Groups

All students who scored a 200 on the 1st-grade BOY Istation assessment are grouped together.

Then

All students who scored an Istation 200 on the 1st BOY AND a 210 on the 1st MOY are grouped.

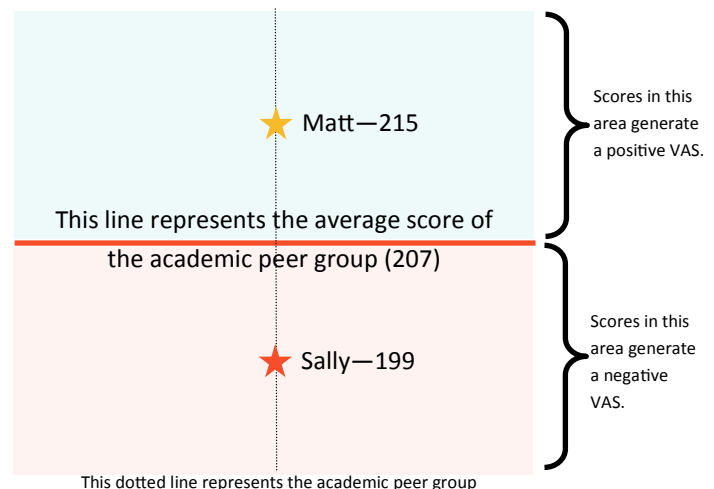
This is Matt's academic peer group.

Value Added Scores

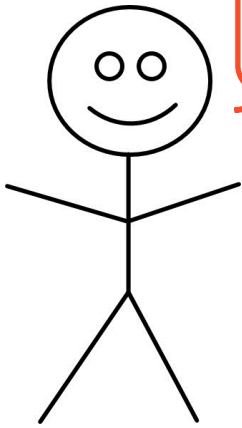
- If Matt scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Matt scores **above** the average of his academic peer group then, VAS points will be **positive**.

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.



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 2nd-grade Istation scores
 - BOY and MOY

Academic Peer Groups

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

Then

All students who scored a 220 on their 2nd-grade BOY AND a 225 on their 2nd-grade MOY are grouped together.

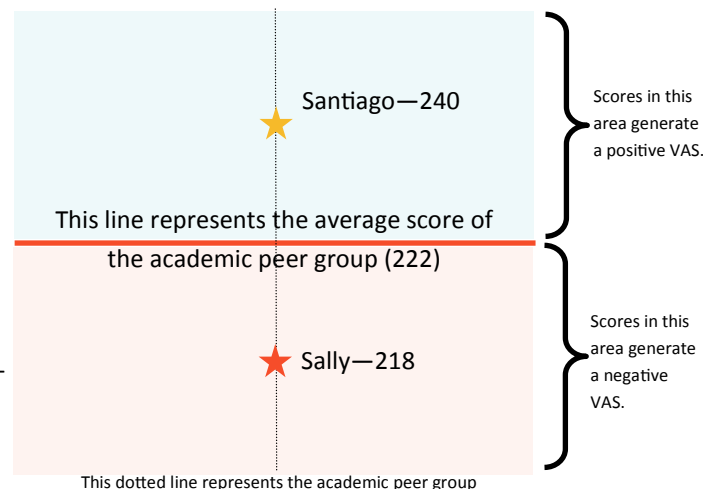
This is Santiago's academic peer group.

Value Added Scores

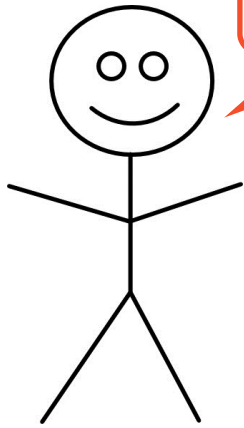
- If Santiago scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Santiago scores **above** the average of his academic peer group, then VAS points will be **positive**.

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, Sally, scored a 218, she showed less growth than the average, which would result in negative VAS points.



Understanding the Growth Model



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

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

What we need to know:

- Phillip's prior two years of Istation data
 - 3rd-grade ELA Istation BOY: 220
 - 3rd-grade ELA Istation MOY: 235

Academic Peer Groups

All students who scored a 220 on their 3rd-grade Istation BOY assessment are grouped together.

Then

All students who scored a 220 on their 3rd-grade Istation MOY AND a 235 on their 2nd - grade EOY are grouped together.

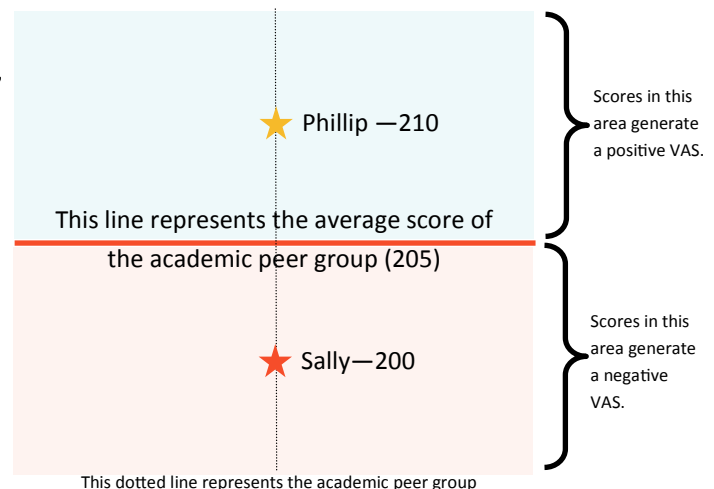
This is Phillip's academic peer group.

Value Added Scores

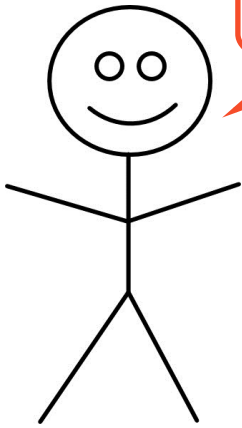
- If Phillip scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Phillip scores **above** the average of his academic peer group, then VAS points will be **positive**.

Let's see some VAS examples:

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



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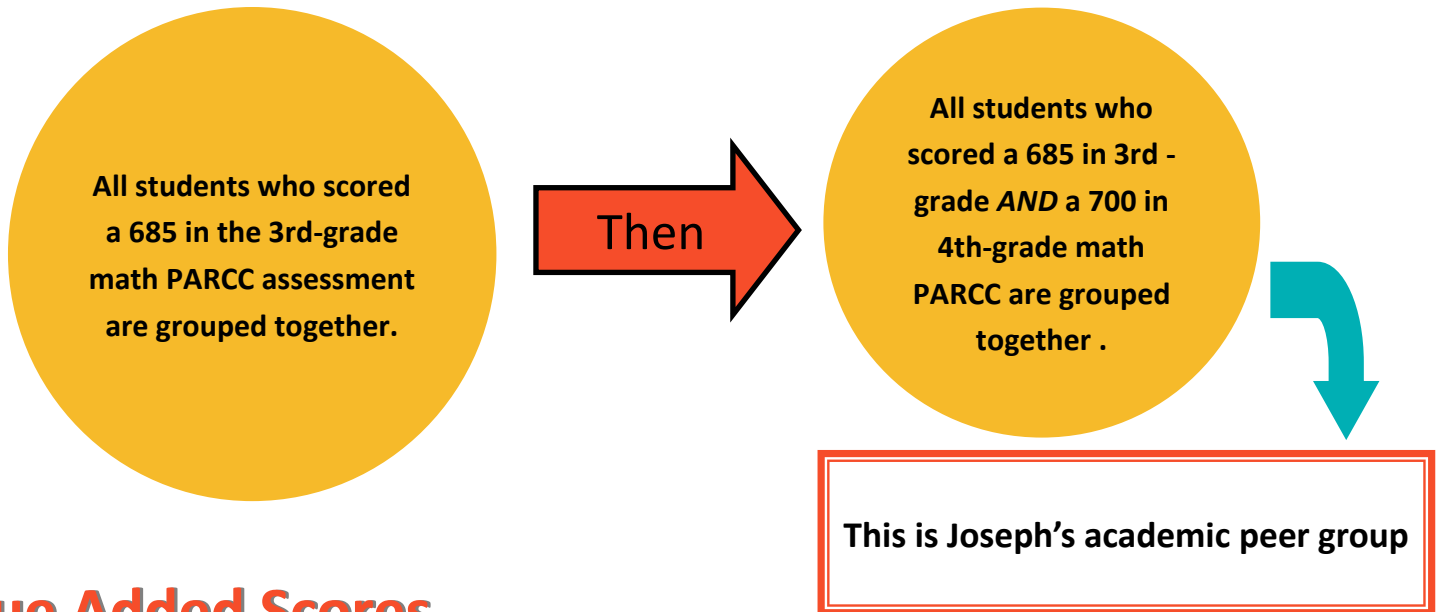
Hi! I'm Joseph!
I'm in 5th grade!

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
 - 4th-grade math PARCC: 700

Academic Peer Groups

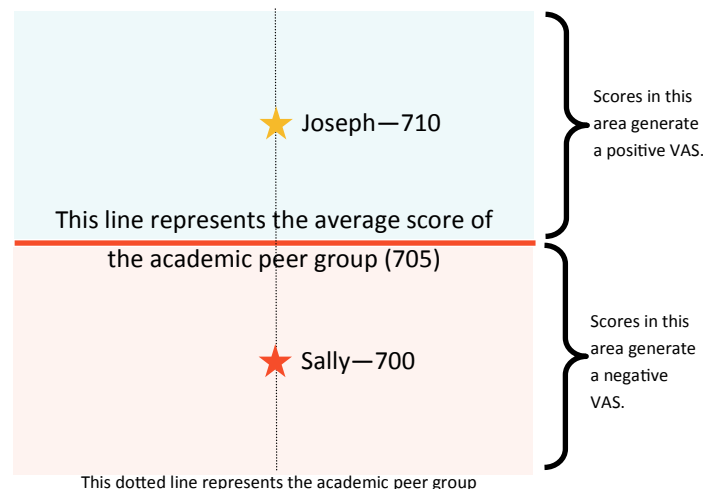


Value Added Scores

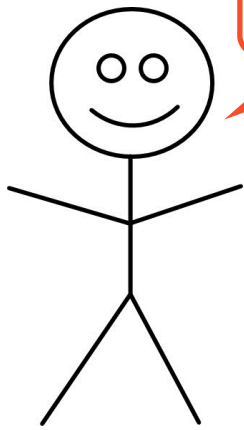
- If Joseph scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Joseph scores **above** the average of his academic peer group, then VAS points will be **positive**.

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, Sally, scored a 700, she showed less growth than the average, which would result in negative VAS points.



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
 - 5th-grade PARCC ELA: 705

Academic Peer Groups

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

Then

All students who scored a 690 on 4th-grade PARCC ELA AND a 705 on the 5th-grade PARCC ELA are grouped together.

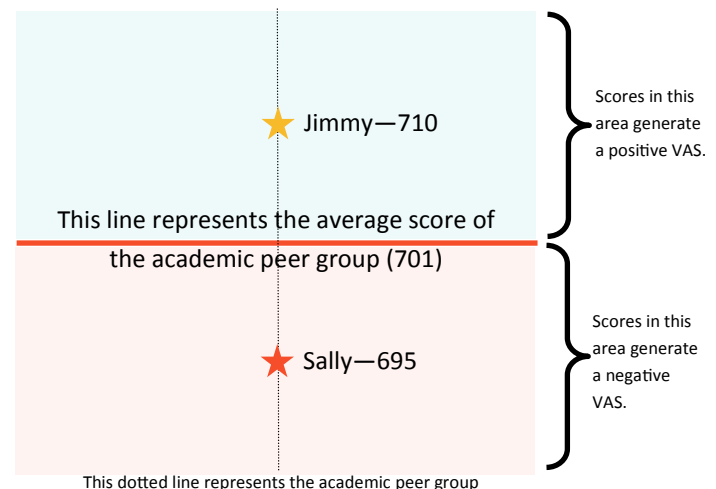
This is Jimmy's academic peer group.

Value Added Scores

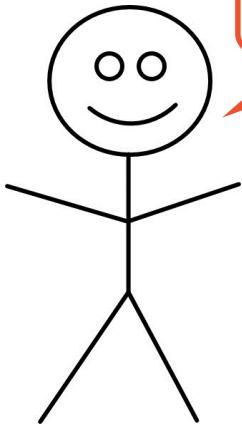
- If Jimmy scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Jimmy scores **above** the average of his academic peer group then, VAS points will be **positive**.

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, Sally, scored a 695, she showed less growth than the average, which would result in negative VAS points.



Understanding the Growth Model



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

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

What we need to know:

- Deon's prior two years of PARCC data
 - 6th-grade PARCC ELA: 732
 - 7th-grade PARCC ELA: 740

Academic Peer Groups

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

Then

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

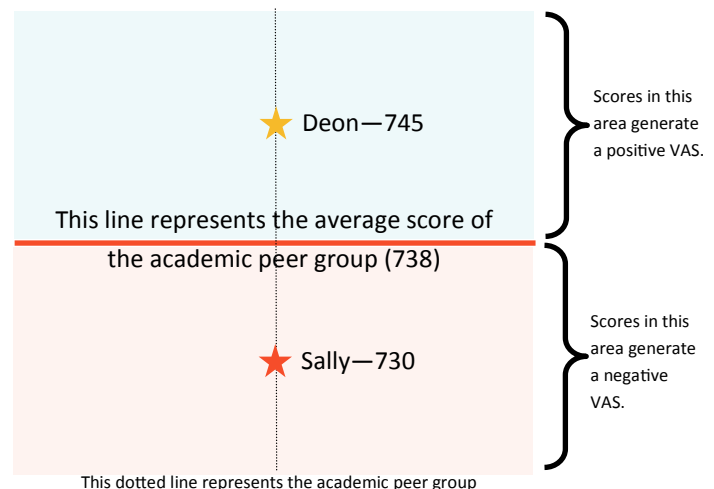
This is Deon's academic peer group.

Value Added Scores

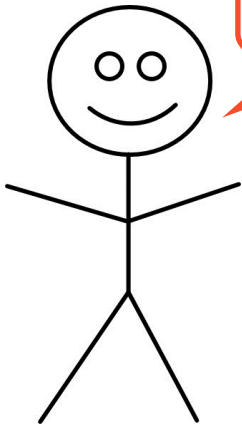
- If Deon scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Deon scores **above** the average of his academic peer group, then VAS points will be **positive**.

Let's see some VAS examples:

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



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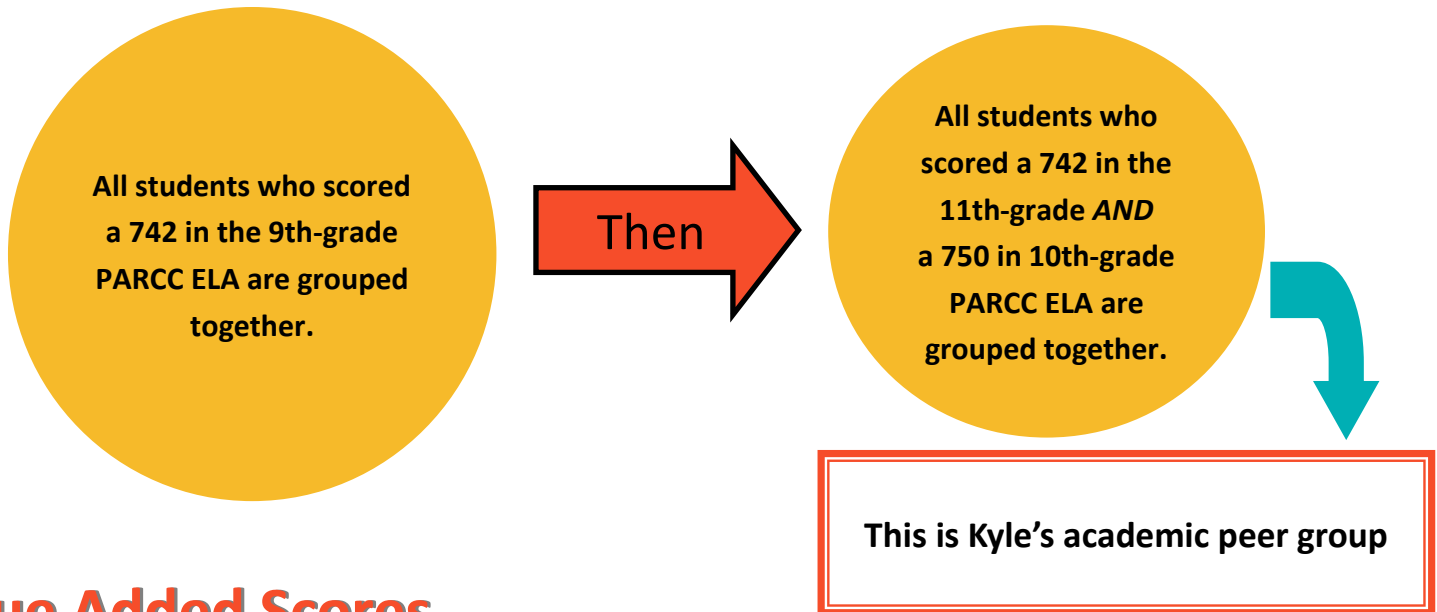
Hi! I'm Kyle! I'm in 11th grade!

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

What we need to know:

- Kyle's prior two years of PARCC data
 - 9th Grade PARCC ELA: 742
 - 10th Grade PARCC ELA: 750

Academic Peer Groups



Value Added Scores

- If Kyle scores **below** the average of his academic peer group, then VAS points will be **negative**.
- If Kyle 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 Kyle's academic peer group was 746 and Kyle scored a 755, he showed more growth than the average, which would result in positive VAS points.
2. If the average score of Kyle's academic peer group was 746 and Kyle's friend, Sally, scored a 740, she showed less growth than the average, which would result in negative VAS points.

