



EXCEPTIONAL PERFORMANCE IN ACADEMIC SUBJECTS

At The Gateway Academy, we are delighted to celebrate the students who have achieved outstanding academic success in our most recent assessment cycle through our Spotlight on Excellence awards.

These awards recognise students whose overall attainment across their subjects places them among the highest achievers in their year group. Reaching this level of success requires much more than academic ability alone—it is the result of sustained effort, resilience, excellent organisation, effective study habits and a commitment to producing high-quality work every day.

This term, students received Bronze, Silver and Gold awards for both Overall Progress and Overall Attainment across the curriculum. While the Progress awards celebrate students who have made exceptional gains in their learning, the Attainment awards recognise those who have consistently achieved the highest academic standards across their subjects.

We are proud to congratulate the following students whose exceptional attainment has earned them a Spotlight on Excellence.

Attainment Excellence

Year 7	Year 8	Year 9	Year 10
Bronze – Shalom N	Bronze – Chloe C	Bronze—Oreoluwa M	Bronze – Katy W
Silver – Liepa K	Silver – Sara N	Silver—Noah K	Silver – Honey D
Gold – Muhammad U	Gold – Jesutobiloba A	Gold – Abigail T	Gold – Max B

Art	Biology	Business studies	Chemistry	Child Development	Dance	Design Technology	Drama
Simisola A—Yr 7 Isabelle-Marian Y—Yr 8 Jessica D—Yr 9 Mia S—Yr 10	Lilly D—Yr 10	Dylan S—Yr 10	Mohammed L—Yr 10	Desara G— Yr 10	Ellie T H—Yr 7 Adelina R—Yr 8 Emily S—Yr 9 Ella-Bella N—Yr 10	Liepa K—Yr 7 Poppy F—Yr 8 Amelia M—Yr 9 Dominykas N—Yr 10	Stella M—Yr 7 Chloe C—Yr 8 Sarah I—Yr 9 Elise P—Yr 10

English	Finance	Food Technology	Geography	History	Hospitality and Catering	Maths	PE
Shalom N—Yr 7 Cheryl M—Yr 8 Jeriah N—Yr 9 Naphtali M—Yr 10	Rebecca O—Yr 7 Jesutobiloba A—Yr 8 Leo N—Yr 9	Muhammad U—Yr 7 Holly M—Yr 8 Gracie T—Yr 9	Alice R—Yr 7 Aisha S —Yr 8 Lorin S—Yr 9 Dev P—Yr 10	Harold P —Yr 7 Aaron L—Yr 8 Abigail T—Yr 9 Natasha A—Yr 10	Marcie H—Yr 10	Aleena R—Yr 7 Emily W—Yr 8 Toby H—Yr 9 Emamnuel F—Yr 10	Sameem M—Yr 7 Judah B—Yr 8 Beautiful O—Yr 9 Vilte P—Yr 10

Sports Studies	Photography	Physics	Psychology	RS	Science	Spanish
Matthew C—Yr 10	Andreja V—Yr 10	Afsarah A— Yr 10	Elsie H—Yr 10	Monika M—Yr 7 Stanislav D—Yr 8	Johan D—Yr 7 Hannat A—Yr 8 Noah K—Yr 9 Michaela A—Yr 10	Liedson M L– Yr 7 Sara N—Yr 8 Oreoluwa M—Yr 9 Alessia F—Yr 10





All Different, All Equal, Together Improving Upon Our Best

The quality of students' work across the Academy reflects a culture of academic excellence, where effort, scholarship and aspiration are highly valued.

1. $2x - 9 = 4 \rightarrow 2x - 9 = 28 \rightarrow 2x = 37 \rightarrow x = 18.5$

2. $8x + 1 = 6 - 2x \rightarrow 10x + 1 = 6 \rightarrow 10x = 5 \rightarrow x = 0.5$

3. $152000 \rightarrow 152,000 \rightarrow 1.52 \times 10^5$

4. $4x^2 + 8x \rightarrow 4x^2 = 4x \cdot x = 4 \cdot x \cdot x = 4x^2$

5. $8x^2 + 16x \rightarrow 8x^2 = 8x \cdot x = 8 \cdot x \cdot x = 8x^2$

6. $16x^2 + 32x \rightarrow 16x^2 = 16x \cdot x = 16 \cdot x \cdot x = 16x^2$

7. $2x^2 + 4x \rightarrow 2x^2 = 2x \cdot x = 2 \cdot x \cdot x = 2x^2$

8. $3x^2 + 6x \rightarrow 3x^2 = 3x \cdot x = 3 \cdot x \cdot x = 3x^2$

9. $4x^2 + 8x \rightarrow 4x^2 = 4x \cdot x = 4 \cdot x \cdot x = 4x^2$

10. $5x^2 + 10x \rightarrow 5x^2 = 5x \cdot x = 5 \cdot x \cdot x = 5x^2$

11. $6x^2 + 12x \rightarrow 6x^2 = 6x \cdot x = 6 \cdot x \cdot x = 6x^2$

12. $7x^2 + 14x \rightarrow 7x^2 = 7x \cdot x = 7 \cdot x \cdot x = 7x^2$

13. $8x^2 + 16x \rightarrow 8x^2 = 8x \cdot x = 8 \cdot x \cdot x = 8x^2$

14. $9x^2 + 18x \rightarrow 9x^2 = 9x \cdot x = 9 \cdot x \cdot x = 9x^2$

15. $10x^2 + 20x \rightarrow 10x^2 = 10x \cdot x = 10 \cdot x \cdot x = 10x^2$

16. $11x^2 + 22x \rightarrow 11x^2 = 11x \cdot x = 11 \cdot x \cdot x = 11x^2$

17. $12x^2 + 24x \rightarrow 12x^2 = 12x \cdot x = 12 \cdot x \cdot x = 12x^2$

18. $13x^2 + 26x \rightarrow 13x^2 = 13x \cdot x = 13 \cdot x \cdot x = 13x^2$

19. $14x^2 + 28x \rightarrow 14x^2 = 14x \cdot x = 14 \cdot x \cdot x = 14x^2$

20. $15x^2 + 30x \rightarrow 15x^2 = 15x \cdot x = 15 \cdot x \cdot x = 15x^2$

21. $16x^2 + 32x \rightarrow 16x^2 = 16x \cdot x = 16 \cdot x \cdot x = 16x^2$

22. $17x^2 + 34x \rightarrow 17x^2 = 17x \cdot x = 17 \cdot x \cdot x = 17x^2$

23. $18x^2 + 36x \rightarrow 18x^2 = 18x \cdot x = 18 \cdot x \cdot x = 18x^2$

24. $19x^2 + 38x \rightarrow 19x^2 = 19x \cdot x = 19 \cdot x \cdot x = 19x^2$

25. $20x^2 + 40x \rightarrow 20x^2 = 20x \cdot x = 20 \cdot x \cdot x = 20x^2$

26. $21x^2 + 42x \rightarrow 21x^2 = 21x \cdot x = 21 \cdot x \cdot x = 21x^2$

27. $22x^2 + 44x \rightarrow 22x^2 = 22x \cdot x = 22 \cdot x \cdot x = 22x^2$

28. $23x^2 + 46x \rightarrow 23x^2 = 23x \cdot x = 23 \cdot x \cdot x = 23x^2$

29. $24x^2 + 48x \rightarrow 24x^2 = 24x \cdot x = 24 \cdot x \cdot x = 24x^2$

30. $25x^2 + 50x \rightarrow 25x^2 = 25x \cdot x = 25 \cdot x \cdot x = 25x^2$

31. $26x^2 + 52x \rightarrow 26x^2 = 26x \cdot x = 26 \cdot x \cdot x = 26x^2$

32. $27x^2 + 54x \rightarrow 27x^2 = 27x \cdot x = 27 \cdot x \cdot x = 27x^2$

33. $28x^2 + 56x \rightarrow 28x^2 = 28x \cdot x = 28 \cdot x \cdot x = 28x^2$

34. $29x^2 + 58x \rightarrow 29x^2 = 29x \cdot x = 29 \cdot x \cdot x = 29x^2$

35. $30x^2 + 60x \rightarrow 30x^2 = 30x \cdot x = 30 \cdot x \cdot x = 30x^2$

36. $31x^2 + 62x \rightarrow 31x^2 = 31x \cdot x = 31 \cdot x \cdot x = 31x^2$

37. $32x^2 + 64x \rightarrow 32x^2 = 32x \cdot x = 32 \cdot x \cdot x = 32x^2$

38. $33x^2 + 66x \rightarrow 33x^2 = 33x \cdot x = 33 \cdot x \cdot x = 33x^2$

39. $34x^2 + 68x \rightarrow 34x^2 = 34x \cdot x = 34 \cdot x \cdot x = 34x^2$

40. $35x^2 + 70x \rightarrow 35x^2 = 35x \cdot x = 35 \cdot x \cdot x = 35x^2$

41. $36x^2 + 72x \rightarrow 36x^2 = 36x \cdot x = 36 \cdot x \cdot x = 36x^2$

42. $37x^2 + 74x \rightarrow 37x^2 = 37x \cdot x = 37 \cdot x \cdot x = 37x^2$

43. $38x^2 + 76x \rightarrow 38x^2 = 38x \cdot x = 38 \cdot x \cdot x = 38x^2$

44. $39x^2 + 78x \rightarrow 39x^2 = 39x \cdot x = 39 \cdot x \cdot x = 39x^2$

45. $40x^2 + 80x \rightarrow 40x^2 = 40x \cdot x = 40 \cdot x \cdot x = 40x^2$

46. $41x^2 + 82x \rightarrow 41x^2 = 41x \cdot x = 41 \cdot x \cdot x = 41x^2$

47. $42x^2 + 84x \rightarrow 42x^2 = 42x \cdot x = 42 \cdot x \cdot x = 42x^2$

48. $43x^2 + 86x \rightarrow 43x^2 = 43x \cdot x = 43 \cdot x \cdot x = 43x^2$

49. $44x^2 + 88x \rightarrow 44x^2 = 44x \cdot x = 44 \cdot x \cdot x = 44x^2$

50. $45x^2 + 90x \rightarrow 45x^2 = 45x \cdot x = 45 \cdot x \cdot x = 45x^2$

51. $46x^2 + 92x \rightarrow 46x^2 = 46x \cdot x = 46 \cdot x \cdot x = 46x^2$

52. $47x^2 + 94x \rightarrow 47x^2 = 47x \cdot x = 47 \cdot x \cdot x = 47x^2$

53. $48x^2 + 96x \rightarrow 48x^2 = 48x \cdot x = 48 \cdot x \cdot x = 48x^2$

54. $49x^2 + 98x \rightarrow 49x^2 = 49x \cdot x = 49 \cdot x \cdot x = 49x^2$

55. $50x^2 + 100x \rightarrow 50x^2 = 50x \cdot x = 50 \cdot x \cdot x = 50x^2$

56. $51x^2 + 102x \rightarrow 51x^2 = 51x \cdot x = 51 \cdot x \cdot x = 51x^2$

57. $52x^2 + 104x \rightarrow 52x^2 = 52x \cdot x = 52 \cdot x \cdot x = 52x^2$

58. $53x^2 + 106x \rightarrow 53x^2 = 53x \cdot x = 53 \cdot x \cdot x = 53x^2$

59. $54x^2 + 108x \rightarrow 54x^2 = 54x \cdot x = 54 \cdot x \cdot x = 54x^2$

60. $55x^2 + 110x \rightarrow 55x^2 = 55x \cdot x = 55 \cdot x \cdot x = 55x^2$

61. $56x^2 + 112x \rightarrow 56x^2 = 56x \cdot x = 56 \cdot x \cdot x = 56x^2$

62. $57x^2 + 114x \rightarrow 57x^2 = 57x \cdot x = 57 \cdot x \cdot x = 57x^2$

63. $58x^2 + 116x \rightarrow 58x^2 = 58x \cdot x = 58 \cdot x \cdot x = 58x^2$

64. $59x^2 + 118x \rightarrow 59x^2 = 59x \cdot x = 59 \cdot x \cdot x = 59x^2$

65. $60x^2 + 120x \rightarrow 60x^2 = 60x \cdot x = 60 \cdot x \cdot x = 60x^2$

66. $61x^2 + 122x \rightarrow 61x^2 = 61x \cdot x = 61 \cdot x \cdot x = 61x^2$

67. $62x^2 + 124x \rightarrow 62x^2 = 62x \cdot x = 62 \cdot x \cdot x = 62x^2$

68. $63x^2 + 126x \rightarrow 63x^2 = 63x \cdot x = 63 \cdot x \cdot x = 63x^2$

69. $64x^2 + 128x \rightarrow 64x^2 = 64x \cdot x = 64 \cdot x \cdot x = 64x^2$

70. $65x^2 + 130x \rightarrow 65x^2 = 65x \cdot x = 65 \cdot x \cdot x = 65x^2$

71. $66x^2 + 132x \rightarrow 66x^2 = 66x \cdot x = 66 \cdot x \cdot x = 66x^2$

72. $67x^2 + 134x \rightarrow 67x^2 = 67x \cdot x = 67 \cdot x \cdot x = 67x^2$

73. $68x^2 + 136x \rightarrow 68x^2 = 68x \cdot x = 68 \cdot x \cdot x = 68x^2$

74. $69x^2 + 138x \rightarrow 69x^2 = 69x \cdot x = 69 \cdot x \cdot x = 69x^2$

75. $70x^2 +$

Diagram of the Human Ear:

Independent variable: what we change in an experiment.

Dependent variable: what we measure in an experiment.

Light

Elastic energy store ^{1000s}

A system where air is taken in and out of our lungs.

To produce mucus.

Moist, folded membrane, large surface area, one cell thick.

Dust can trigger an asthma attack.

Object is moving:

unpleasant and pollution are two disadvantages of generating electricity using fossil fuels. pollution cause CO_2 .

normalies: Do not fit with the trend.

accum - medium.

flows down

because sounds needs particles

light.

Magnets

Transfer by waves is the energy transfer produce.

used for fuelling cars, cooking food.

1 metre is travelled every second.

Gas exchange takes place in the alveoli.

Because the arrow $\rightarrow$ shows what the react into and not equals as its not equal.

A catalyst is something that can speed up a down chemical reactions without being used.

Temperature change, light or flame/colour change, precipitation.

magnetic

elements { iron, nickel, cobalt } metals $\rightarrow$ gold, copper, aluminium, silver, magnesium, ...all other metals in the Periodic Table

alloy - steel (iron and carbon) other magnetic alloys

non-magnetic

plastic, wood, glass

Attract: pull one another together

repel: push one another apart