

## Data on Science Performance Swansea Schools 2015-2017

### Key Stage 4 Level 2 Science

Local Authority	2015	2016	2017
<i>Powys</i>	83.4	81.1	76.9
<i>Ceredigion</i>	87.2	90.4	86.9
<i>Pembrokeshire</i>	84.8	83.0	64.9
<i>Carmarthenshire</i>	86.1	85.2	78.9
<b>Swansea</b>	<b>86.5</b>	<b>82.3</b>	<b>75.6</b>
<i>Neath Port Talbot</i>	85.1	78.1	67.1

### Swansea performance by gender and FSM at C grade and above

Measure	Key Stage 4		
	2015	2016	2017
<i>FSM</i>	80.7	68.2	58.0
<i>Non-FSM</i>	88.8	87.0	81.6
<b>FSM gap</b>	<b>-8.1</b>	<b>-18.8</b>	<b>-23.6</b>
<i>Boys</i>	86.1	80.5	74.6
<i>Girls</i>	86.9	84.2	76.5
<b>Gender gap</b>	<b>-0.8</b>	<b>-3.7</b>	<b>-1.9</b>

Current performance across Swansea schools means that three quarters of learners gained a grade C or above at GCSE Level 2 science. This performance places Swansea on a par with the national average and eleventh out of the 22 local authorities. Although the rank position is an improvement on the previous year, overall performance has declined during the last two years. However, the decline in performance is in line with the national decline in performance. At a regional level, Powys, Ceredigion and Carmarthenshire performance is higher than Swansea's. Previously, Swansea has compared more favourably within the region.

FSM performance for this indicator sees a widening gap in 2016-2017 with a difference of 23.6 % points in comparison to non-FSM learners. The gender difference in performance has remained stable during the last three years and is not significant.

Contextualised performance (considering similar schools with each other across Wales) shows that half of Swansea schools appear in the top 50% of similar schools. Value added information indicates varied performance across Swansea schools. In addition, there is stronger capacity and preparedness in a few schools to face the new science qualification, examined for the first time in Wales in 2018.

### Key Stage 3 Level 5 Science

Powys	93.5	92.9	94.3	94.6	95.2	95.2
Ceredigion	92.7	91.6	91.0	96.1	96.0	96.6
Pembrokeshire	92.9	91.2	91.5	91.2	92.5	92.8
Carmarthenshire	91.9	92.8	91.7	91.9	92.7	94.1
<b>Swansea</b>	<b>92.6</b>	<b>90.6</b>	<b>92.4</b>	<b>90.2</b>	<b>92.4</b>	<b>91.6</b>
Neath Port Talbot	87.6	88.4	89.4	87.8	88.5	89.0

### Swansea performance by gender and FSM at "expected" level

Measure	Key Stage 2			Key Stage 3		
	2015	2016	2017	2015	2016	2017
<i>FSM</i>	82.8	79.3	80.9	77.0	80.8	79.3
<i>Non-FSM</i>	94.8	93.5	95.0	93.6	95.1	94.3
<b><i>FSM gap</i></b>	<b>-12.0</b>	<b>-14.2</b>	<b>-14.1</b>	<b>-16.6</b>	<b>-14.3</b>	<b>15.0</b>
<i>Boys</i>	90.8	88.3	91.2	88.6	90.6	88.7
<i>Girls</i>	94.5	93.2	93.8	91.8	94.2	94.8
<b><i>Gender gap</i></b>	<b>-3.7</b>	<b>-4.9</b>	<b>-2.6</b>	<b>-3.2</b>	<b>-3.6</b>	<b>-6.1</b>

### Swansea performance by gender and FSM at "expected" level + 1

Measure	Key Stage 2			Key Stage 3		
	2015	2016	2017	2015	2016	2017
<i>FSM</i>	20.9	22.8	23.7	34.8	37.3	35.3
<i>Non-FSM</i>	45.2	47.4	48.6	63.9	70.0	68.5
<b><i>FSM gap</i></b>	<b>-24.3</b>	<b>-24.6</b>	<b>-24.9</b>	<b>-29.1</b>	<b>-32.7</b>	<b>33.2</b>
<i>Boys</i>	38.8	40.5	41.1	54.7	57.2	55.5
<i>Girls</i>	42.4	44.4	47.6	61.3	70.5	70.4
<b><i>Gender gap</i></b>	<b>-3.6</b>	<b>-3.9</b>	<b>-6.5</b>	<b>-6.6</b>	<b>-13.3</b>	<b>14.9</b>

At 91.6% current performance is high but places Swansea eighteenth in local authority rankings, with stable performance during the last three years. Performance is currently below the national average. On a regional level, four other authorities appear to have higher performance.

FSM performance at this indicator shows a 15 % point difference in comparison to non-FSM learners and this is similar to previous years' performance. Girls tend to outperform boys. The gender gap in performance is not significant.

### **Key Stage 3 Level 6 Science**

The difference in performance for FSM learners and non-FSM is increasing and is currently 33.2 % points. The gender gap is also widening and is currently 14.9 % points.

### **Key Stage 2 Level 4 Science**

At 92.4% current performance is high and places Swansea thirteenth in local authority rankings. At a regional level, Swansea appears second after Powys.

FSM performance is significantly below that of non-FSM learners during the last three years and currently stands at a 14 % point difference. The gender gap is not significant at 2% points.

### **Key Stage 2 Level 5 Science**

The difference in performance for FSM learners compared with non-FSM learners is significant at 24% points and has been such during the last three years.