

Pupil premium strategy statement

1. Summary information					
School	Blackfen School for Girls				
Academic Year	2019/20	Total PP budget	£171,673.63	Date of most recent PP Review	12.11.19
Total number of pupils	1372 (including in sixth form)	Number of pupils eligible for PP	187	Date for next internal review of this strategy	Jan. 2019

2. Outcomes		
	Pupils eligible for PP (your school) Pupils not eligible for PP (national average)	Pupils eligible for PP (your school) Pupils not eligible for PP (national average)
% English & Maths (Grade 4+)	54%	63%
Progress 8 in English (2018/19)	-0.056	0.35 (girls) -0.09 (all)
Progress 8 in Maths (2018/19)	-0.421	-0.05 (girls) -0.06 (all)
Progress 8 score average (2018/19)	-0.173	0.19 (girls) -0.08 (all)
Attainment 8 score average (2018/19)	4.20	4.76 (girls) 4.45 (all)
Current Year 11 Progress 8 score average estimate (PIXL Y11 2019/2020)	0.184	0.171 (2019 national average)
Current Year 11 Attainment 8 score average estimate (PIXL Y11 2019/2020)	4.69	4.74 (2019 national average)

2. Barriers to future attainment (for pupils eligible for PP including high ability)	
In-school barriers (issues to be addressed in school, such as poor literacy skills)	
A.	Literacy skills entering Year 7 are lower for pupils eligible for PP than for other pupils, which prevents them from making good progress in Year 7.

B.	Rates of progress for year 8 and 9 pupils are lower for pupils eligible for PP than for other pupils. There is some evidence to suggest that this continues to be caused by vocabulary deficit.
C.	Rates of progress for year 11 pupils are lower for pupils eligible for PP than for other pupils.

External barriers (*issues which also require action outside school, such as low attendance rates*)

D.	Absence rate for pupils eligible for PP is 6.2% (below the NA other of 5.1%. This reduces their school hours and causes them to fall behind
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3. Outcomes

	<i>Desired outcomes and how they will be measured</i>	<i>Success criteria</i>
A.	High levels of progress in literacy for Year 7 and 8 pupils eligible for PP.	Pupils eligible for PP in Years 7 and 8 make meet their targets by the end of the year in line with 'other' pupils This will be evidenced using accelerated reader assessments and Progress Updates in spring and Summer Terms.
B.	Improved rates of progress across KS3/4 for high attaining pupils eligible for PP.	Pupils eligible for PP identified as high attaining from KS2 levels / raw scores make as much progress as 'other' pupils identified as high attaining, across Key Stage 3/4. Where they are not, faculties are putting in place wave 1 interventions, monitored by subject leaders (SL) and LT.
C.	Improved rates of progress for year 11 pupils eligible for PP.	Pupils eligible for PP make as much progress as 'other' pupils across year 11, so that 75% or above have positive P8 scores by the end of KS4.
D.	Increased attendance rates for pupils eligible for PP.	Reduce the absence among pupils eligible for PP to 5% or below. Overall absence rate among pupils eligible for PP improves from 6.2% to 4.9.% in line with 'other' pupils.

4. Planned expenditure

Academic year	2019/20
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The three headings below enable schools to demonstrate how they are using the Pupil Premium to improve classroom pedagogy, provide targeted support and support whole school strategies.

i. Quality of teaching for all

Desired outcome	Chosen action/approach	What is the evidence and rationale for this choice?	How will you ensure it is implemented well?	Staff lead	When will you review implementation?
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A. Improved Year 7 - 9 literacy progress	CPD use of tier 2 and tier 3 vocabulary using PiXL unlock	EEF Guidance report suggests that teachers in every subject should provide explicit vocabulary instruction to help students access and use academic language and that effective approaches, including those related to etymology and morphology, will help students remember new words and make connections between words. The PiXL unlock strategy has been designed with this strategy in mind.	Literacy Coordinator to ensure that SENCO, SEN staff, FLs and relevant LT to be trained in Literacy Planet. All staff to be trained to ensure they focus on PP assessment.	Literacy Coordinator	Summer 2020
B. Improved rates of progress across KS3/4 for high attaining pupils eligible for PP.	Early intervention. Extra staffing in English, Maths and Phoenix.	Additional staffing used to focus on PP pupils in key subject areas and Phoenix.	Appraisal of staff.	DHT attainment	Summer 2020
Total budgeted cost					£128,000
ii. Targeted support					
Desired outcome	Chosen action/approach	What is the evidence and rationale for this choice?	How will you ensure it is implemented well?	Staff lead	When will you review implementation?
A. Improved Year 7, 8 & 9 literacy progress	One to one mentoring with 6 th Form mentors once a week	Students are given an opportunity to improve previous work in other subjects or improve literacy/numeracy.	<ul style="list-style-type: none"> Organise timetable to ensure 6th formers delivering provision have sufficient preparation and delivery time. Data tracking of these students to show impact of the programme. 6th Form students to deliver. Pupil Premium Co-ordinator to liaise with parents of targeted children. PP Pizza Fridays to ensure attendance at sessions Reward enrichment activities 	Pupil Premium Coordinator	June 20

B. Improved rates of progress across KS3/4 for high attaining pupils eligible for PP.	One to one mentoring with 6 th Form mentors once a week starting after half term UPR mentoring for year 10 with teacher staff once per fortnight	Students are given an opportunity to improve previous work in other subjects or improve literacy/numeracy.	<ul style="list-style-type: none"> Organise timetable to ensure 6th formers delivering provision have sufficient preparation and delivery time. Data tracking of these students to show impact of the programme. 6th Form students to deliver. Pupil Premium Co-ordinator to liaise with parents of targeted children. PP Pizza Fridays to ensure attendance at sessions. Reward enrichment activities Year 10 programme for UPR teachers to support PP 	Pupil Premium Coordinator	June 20
C. Improved rates of progress for year 11 pupils eligible for PP.	Weekly small group sessions in maths and English for high-attaining year 11 pupils with external tutors FL or equivalent, after school or replacing tutor time or assembly. Year 11 Champions for L20/PP10 P8 pupils	We want to provide extra support to maintain high attainment. Small group interventions with highly qualified staff are known to be effective. We want to combine this additional provision with some 'aspiration' interventions such as talks from successful former pupils.	<ul style="list-style-type: none"> Extra teaching time and preparation time paid for out of PP budget, not sought on a voluntary basis. Engage with parents and pupils before intervention begins to address any concerns. Track data in English and maths at 3 key points, February, March and June FLs to observe sessions and provide feedback / support. 	FLs of Maths/ English	Mar 20
Total budgeted cost					£10,000
iii. Other approaches					
Desired outcome	Chosen action / approach	What is the evidence and rationale for this choice?	How will you ensure it is implemented well?	Staff lead	When will you review implementation?
D. Increased attendance rates	PP pupils with high absence rate identified. Meeting to discuss interventions to reduce absence rate of target group.	Evaluation of what can be done to improve PP attendance.	Absence rate for PP is reduced to 5% or below	Pupil Premium Coordinator	July 20
	Student surgery for targeted PP pupils with attendance below 95%; Parent surgery for pupils below 90%; Fast Track meetings for pupils below 87%..	Parent surgeries provide a supportive forum to discuss the impact of absence on academic performance. Parents informed about action that can be taken by EWO. Fast Track meetings to decide on referrals to EWO.	Success of monitoring and actions reviewed termly.	Pupil Premium coordinator and DHT Behaviour and Welfare.	July 2020
Total budgeted cost					£10,000

5. Review of expenditure				
Previous Academic Year		2018-19		
i. Quality of teaching for all				
Desired outcome	Chosen action/approach	Estimated impact: Did you meet the success criteria? Include impact on pupils not eligible for PP, if appropriate.	Lessons learned (and whether you will continue with this approach)	Cost
A. Improved Year 7 and 8 literacy progress	CPD on self-regulated writing for relevant teachers including training on Literacy Planet.	<i>Mixed:</i> training has informed approach to building aspiration in school. We measured the impact on attainment for all children, not just PP eligible. Success criteria: not fully met. Approach shows promise as evident from staff developing questioning technique as seen in lesson observation – best practice shared in briefings. However, Progress 8 data shows that PP students did not make expected progress overall.	Staff were positive about the training and believe it has affected attitudes of students. We will not repeat the training, but continue implementing the approach and monitoring pupil response.	£420 per teacher for 15 teachers. Plus staff cover for training days. £10,050
B. Improved rates of progress across KS3/4 for pupils eligible for PP.	Early intervention. Extra staffing in English, Maths and Phoenix.	<i>High.</i> Year 7, 8 and 9 PP students were offered one tutor period a week with a 6th Form Tutor in which they have to review comments left by their teachers. Attendance much improved due to 'Pupil Premium Pizza' for students who attend each session on the Friday of that week. Reports on progress are written each week by 6th Form Mentors	Students and staff are very positive about the interventions. The sessions will continue next year.	Mentors paid £10/hour.
ii. Targeted support				
Desired outcome	Chosen action/approach	Estimated impact: Did you meet the success criteria? Include impact on pupils not eligible for PP, if appropriate.	Lessons learned (and whether you will continue with this approach)	Cost
A. Improved Year 7, 8 & 9 literacy progress	One to one mentoring with 6 th Form mentors once a week	High: observed increased progress amongst participating children compared to peers, as measured using scores on the Progress in English test. Success criteria: met.	This seemed to be most effective when the focus area was determined by the class teacher based on their observations of the pupil. We will continue next year.	£1550 per pupil for 26 pupils. £40,300
B. Improved rates of progress across KS3/4 for high attaining pupils eligible for PP.	One to one mentoring with 6 th Form mentors once a week starting after half term	High: observed increased progress amongst participating children compared to peers, as measured using scores on the Progress in English test. Success criteria: met.	This seemed to be most effective when students were working on improving their previous work. Engagement was an issue and it may be necessary to have some form of incentive for students in future. We will continue next year with these students into year 8.	

C. I Improved rates of progress for year 11 pupils eligible for PP.	Weekly small group sessions in maths and English for high-attaining year 11 pupils with external tutors FL or equivalent, after school or replacing tutor time or assembly. Year 11 Champions for L20/PP10 P8 pupils	High: observed increased progress amongst participating children compared to peers, as measured using scores on the Progress in English test. Success criteria: met.	This seemed to be most effective when the focus area was determined by the class teacher based on their observations of the pupil. We will continue next year.	£35000
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iii. Other approaches

Desired outcome	Chosen action/approach	Estimated impact: Did you meet the success criteria? Include impact on pupils not eligible for PP, if appropriate.	Lessons learned (and whether you will continue with this approach)	Cost
D. Increased attendance rates	PP pupils with high absence rate identified. Meeting to discuss interventions to reduce absence rate of target group.	Medium-low: positive impact for students who attended but many did not. Success criteria: not met.	Next year we will try to provide more intensive after-school support instead, with parental engagement to encourage attendance.	£1260 per pupil for 14 pupils. £17,640
	Student surgery for targeted PP pupils with attendance below 95%; Parent surgery for pupils below 90%; Fast Track meetings for pupils below 87%..	Medium-low: positive impact for students who attended but many did not. Success criteria: not met.	See above	£3970.93

6. Additional detail

Accounts 2019/2020

**Balance carried forward to
2018-2019**

£ -

**Amount of Pupil Premium
Allocated 2018-2019 :**

£ 174,845.00

**Total Available to Spend
2018-2019:**

£ 174,845.00

Type of intervention	Type of Expenditure	Amount £	
Early Intervention	Bought in services	£ 44,000.00	Extra staffing in English allowing one to one mentoring with Pupil Premium students
Early Intervention	Bought in services	£ 44,000.00	Extra staffing in Maths allowing one to one mentoring with Pupil Premium students
1:1 Tuition	Classroom Assistants	£ 40,130.00	Staffing in Phoenix - students removed from classes to work in smaller groups with a spe teacher in a separate unit
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			-
Resources		£ 1,575.00	Edukey
Resources		£ 300.00	Viva AQA Spanish
Resources	Stationary	£ 101.08	PP Photocopying
Resources		£ 19,284.51	PP Mentoring
Resources		£ 150.00	Daniel Spargo - Mabbs foundation
Resources		£ 500.00	Talking Gym
Resources		£ 500.00	Literacy Planet
Resources		£ 649.92	Laptop PP Student
		£ 151,190.51	
Resources		£ 6.00	YR 7 MATHS HOMEWORK BOOK

Trip	£	750.00	PP TO ROME;INDIA;DISNEYLAND
Trip	£	925.00	50% FROM PP TO INDIA TRIP
Trip	£	925.00	50% FROM PP TO INDIA TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TOWARDS DISNEYLAND TRIP
Trip	£	220.00	50% FROM PP TO DISNEYLAND TRIP
Trip	£	220.00	50% PP PAYMENT TOWARDS DISNEYLAND PARIS TRIP
Trip	£	340.00	pp payment towards Rome trip
Trip	£	340.00	50% TRANSFER FROM PP TO ROME TRIP
Trip	£	220.00	Disneyland Paris
Resources	£	24.00	Sports/Dance Leadership
Trip	£	8.00	Wembley Trip
Resources	£	138.60	Year 9 Maths Practise Books
Resources	£	169.00	Computer Revision Books
Resources	£	80.00	Year 11 Prize Winners Hoodies/Yearbooks
Resources	£	178.78	PP Cookery Ingredients
Resources	£	51.84	Citizenship revision books
Resources	£	220.00	Maths PP Revision Guides
Trip	£	23.50	PP Theatre Trip
Resources	£	125.25	Geography PP Student books
Resources	£	850.00	Subscription for Digital Theatre Plus
Resources	£	316.00	Singing Lessons
Resources	£	130.00	Science PP Books
Resources	£	8.00	Hoodie
Trip	£	187.50	Brussels Trip
Resources	£	8.00	Hoodie
Resources	£	8.00	Hoodie
Resources	£	8.00	Hoodie
Trip	£	23.50	Theatre Trip
Resources	£	50.00	Dof E Course Fee
Resources	£	59.90	H&S care books
Resources	£	204.60	Science Books

Resources		£	210.00	Pearsons Science Subscription
Resources		£	21.96	Stationary for PP Students
Trip		£	8.25	Tower of London
Trip		£	11.75	Theatre Trip
Trip		£	8.25	Tower of London
Trip		£	63.25	Tower of London/ Ypres
Trip		£	550.00	Iceland Trip
Trip		£	550.00	Iceland Trip
Resources		£	14.33	Revision Books
Resources		£	705.21	Ingredients for PP Students Food Tech
resources		£	9.98	Business GCSE Revision Guides for PP Students
Resources		£	1,988.02	Citizenship Revision guides for PP Students
Resources		£	8.00	Hoodie
Resources		£	340.00	Rome Trip
Resources		£	165.50	Maths revision Guides PP Students
Resources		£	96.00	Sports/Dance Leadership x4 PP Students
Trip		£	187.50	Brussels Trip
Resources		£	24.00	Sports/Dance Leaders
Resources		£	189.00	Maths Watch CDS - 49 PP Students
Trip		£	189.00	Barcelona Trip
Trip		£	550.00	Iceland Trip
Resources		£	420.08	English Revision Guides
Trip		£	40.00	DofE
Trip		£	595.00	NYC Trip
Trip		£	8.25	Tower of London
Trip		£	16.50	TOL Trip
Resources		£	8.00	Hoodie
Resources		£	429.86	Photography Art Resources for PP Students Art Exam
Resources		£	1,622.50	PP English books
Resources		£	366.00	Science & Technology Challenge Day
Resources		£	2.45	Replacement Journal
Resources		£	491.23	Food Tech - Food for PP Students
Resources		£	37.14	Art Supplies PP Students
Trip		£	22.00	DD Activities
Trip		£	16.50	DD Activities
Resources		£	354.28	PP Food Items - Food Tech
Resources		£	253.92	Science Books

Trip		£	8.50	DD Activities
Trip		£	27.00	DD Day Activities
Trip		£	20.00	DD day Activites
Resources		£	38.88	Health and social care Books PP Students
		£	19,026.56	
Resources		£	300.00	Maths Tuition
Resources		£	300.00	Ceyhan Maths Tuition
Resources		£	350.00	Maths Tuition
Resources		£	300.00	Maths Tuition
Resources		£	345.00	Tuition
Resources		£	350.00	Tuition
Resources		£	350.00	Tutoring
Resources		£	300.00	Tutoring
Resources		£	350.00	Tutoring
Resources		£	28.00	Blazer
Resources		£	60.00	Carlton MotorsTaxi's
Resources		£	14.10	Carlton Cars Taxi
Resources		£	240.00	English Tuition
Resources		£	235.20	Taxi Fares
		£	3,522.30	
Resouces		£	70.00	School Uniform
		£	70.00	

**Total Spent Academic Year
2018-2019:**

Balance

£ 173,809.37

£ 1,035.63

Impact of expenditure

Early intervention for KS3 students

The focus of intervention for Pupil Premium students in the lower school continued in order to build up a culture among these students of accepting intervention and improving their work.

During the first half of term year 7, 8 and 9 PP students were offered one tutor period a week with a 6th Form Tutor in which they have to review comments left by their teachers in all subjects and attempt an improvement and this has continued into the second half of term. As an added incentive for attendance, we now provide a 'Pupil Premium Pizza' for students who attend each session on the Friday of that week. Reports on progress are written each week by 6th Form Mentors. The programme has continued into this term but we are now focussing on students not making expected progress and these students have two sessions each week.

Literacy

Literacy Planet has been purchased for the school and this is used each by the PP and Catch Up students during their mentoring sessions. PiXL Unlock has also been purchased and has been launched with the whole staff as a tool to improve vocabulary

Maths

In Maths 1:1 tuition took place following the PPE results in January. Individual payments have been provided to some parents who have paid for Maths tutors at home. Funding was provided for revision guides (KS3 and KS4), the survivor's guide to GCSE, homework books (KS3 and KS4) and maths watch CDs. Small Group intervention also took place after Christmas during community time

English

In English 1:1 tuition has taken place for some disadvantaged more able students following PPE results in January. Revision guides have been purchased for the students. All year 11s took part in the Super Learning Day on the 3rd November in order to prepare for LIT Paper One PPE The following specific interventions have been put in place:

- In 10Q4 – Additional member of staff offering intervention sessions in students' Phoenix time and offering one to ones in class
- Lunchtime sessions for targeted students.
- Targeted revision for selected higher attainers PP students on Monday after school.

Maths/Science

All year 11s took part in a maths and science super learning day on 30th January 2018 in order to prepare for their GCSE examinations in the summer.

Classcharts

Seating Plan software allowing staff to identify PP, SEN, EAL students and seat them strategically in order to assist in lesson planning.

Digital Theatre Plus

Digital subscription to enable students to access a range of classic, contemporary and international performances and improve cultural capital.

Early Intervention year 10

Payments were made for some students to have one to one tuition at the start of year 10.

Individual payments

These have been made as and when required.

Impact

The feedback from students and staff has been that the one-to-one intervention has been very worthwhile for year 7 and 8 students, although some of our most vulnerable students are not accessing this report. Next year this will be aimed at the PP5 allowing ensuring that students not making progress against their targets receive more intensive level of support. At KS4 42 % of PP students achieved a positive progress 8 score compared to 54% of "other." The gap has decreased significantly, (24% of PP achieved a positive score in 2018). However, there is still a gap and we will continue to maintain a relentless focus on ameliorating this.

Year 11 Pupil Premium Pupils APS over time [leavers]

Grade Totals

	Y10	Y11	Y11	Y11	Y11	
	PPEs +	Autumn	PPEs +	Y11	Summe	
	PUs Avg	Term	PUs Avg	Spring	Review	Exams
	Pts	Avg Pts	Pts	Avg Pts	Avg Pts	Avg Pts
1	4.11	4.44	3.78	4.56	4.78	4.72
2	1.22	2.56	1.89	2.78	3.22	2.72
3	2.39	3.17	2.44	3.44	3.61	3.11
4	1.78	2.11	2.67	2.33	2.44	2.28
5	5.33	5.67	6	6.33	6.22	6.11
6	1.67	2.22	2.11	2.44	2.56	1.56
7	1.91	3.19	3.14	4.14	4.64	4.79

8	4.44	5	4.39	5.22	5.67	5.95
9	3.22	4.44	3.67	4.33	4.44	4.44
10	3.67	4.28	3.11	4.56	4.44	3.44
11	4.4	4.9	4.3	5.2	5.6	5.2
12	1.75	3	2.42	2.86	3.47	2.75
13	4.11	4.39	3.89	4.81	5.13	4.88
14	5.7	5.3	6.4	6.1	6.7	7.5
15	3.22	4.33	4	4.33	5.22	4.78
16	2.44	4.06	2.83	3.56	4	3.61
17	2.22	3.06	2.39	3.28	3.78	2.89
18		1.5	1	2.25	2	1.75
19	2.22	3.5	3.38	3.75	4.25	4.25
20	1.44	3.11	2.14	2.88	3.16	2.75
21	2.89	3.94	3.39	3.94	4.33	4.83
22	1.92	3.44	2.56	3.13	3.38	2.5
23	4.55	5.05	5.2	5.7	6.25	5.65
24	1.89	3.44	3.44	1.33	2.5	3.25
25	1.67	2.94	2.5	3.17	3.11	2.78
26	2.5	2.94	3.06	3.33	3.56	3
27	3.56	4.5	3.89	4.72	4.89	4.94
28	5.8	5.4	6.3	6.1	6.6	7.6
29	3.5	4.17	4.06	5	4.56	4.17
30	3.33	4.06	3.56	4.44	4.83	4.39
31	3.22	3.33	3	2.78	2.63	3.42
32	2.13	3.94	3.34	3.94	3.75	3.31
33	1.25	2.38	1.38	2.5	2.88	2.5
34	3.44	3.89	4.33	4.44	4.67	5.22
35	1.67	2.89	1.78	3	3.44	2.56
36	2.61	3	2.56	3.5	3.72	3.06
37	1.81	2.89	2.11	3.33	2.83	2.13
38	3.11	4.17	3.17	4.39	4.67	4.94
39	4.67	4.17	5.33	6	6.39	6.78
40	1.63	2.75	1.75	2.63	2.94	2.44
41	2.5	3.17	3.11	3.5	4.28	3.5

42	4.06	4.89	4.13	5.38	5.88	5.19
43	3.33	4.28	3.22	3.8	4.05	4.8
44	5.1	5.1	5.4	5.8	6.2	6.3

Current Year 11

Grade Totals

	Original EoKS4 Avg Pts	Y10 Spring Term Avg Pts	Y10 Summe r Term Avg Pts	Y10 PPEs Avg Pts	Y10 PIXL Summe r Avg Pts	Y11 PIXL Autumn Avg Pts
1	5.78	4.4	5	4.57	6.67	5.67
2	8.3	4.91	5.09	5.75	6.5	6.7
3	3.42	1.25	1.54	0.75	1.95	1.75
4	4.33	2.33	2	1.2	2.46	3.13
5	3.67	3.65	3.85	4.42	4.78	5.06
6	5.72	3.9	4	3.5	4.94	4.83
7	5.83	3.55	3.75	2.17	4.06	3.72
8	3.56	2.8	2.8	1.21	3.22	3.11
9	4.44	3.3	3.7	3.17	4.67	4.78
10	8	4.82	5.27	5.88	6.7	6.4
11	7.78	4.6	4.8	4.43	6.22	5.89
12	4.78	3.7	3.8	3	5.22	5.17
13	5.17	3.9	3.55	3.14	4.72	4.61
14	7.8	4	4.09	3.63	5.2	5.3
15	5.78	2.85	3.25	2.6	4.17	3.94
16	7	4.1	4.6	3.33	5.67	5.56
17	3.89	3.95	3.9	3.83	4.61	4.56
18	3.67	1.93	2.2	1.21	2.58	2.47
19	4.44	2.9	3.1	2.33	3.89	4.03
20	5.61	2.95	3.15	1.8	4.22	3.67
21	4.8	4.27	4.64	3.63	5.5	5.5
22	5.67	3.7	3.8	3.29	4.22	4.56

23	3	2.07	2.07	2	2.2	2.92
24	4.33	3.9	4.2	3.4	5	5.06
25	4.56	3.6	3.85	3.33	5.19	5.28
26	2.89	1.6	1.43	0.25	1.41	1.28
27	5.89	3.8	4.1	4.29	5.22	5.33
28	6.61	4.3	4.65	5.2	5.5	5.33
29	5.39	4.7	4.55	5.29	5.5	5.72
30	6.8	5.27	5.55	6.38	6.8	6.7
	5.38	3.63	3.81	3.52	4.77	4.71