



HANDBOOK MEARS 8-11

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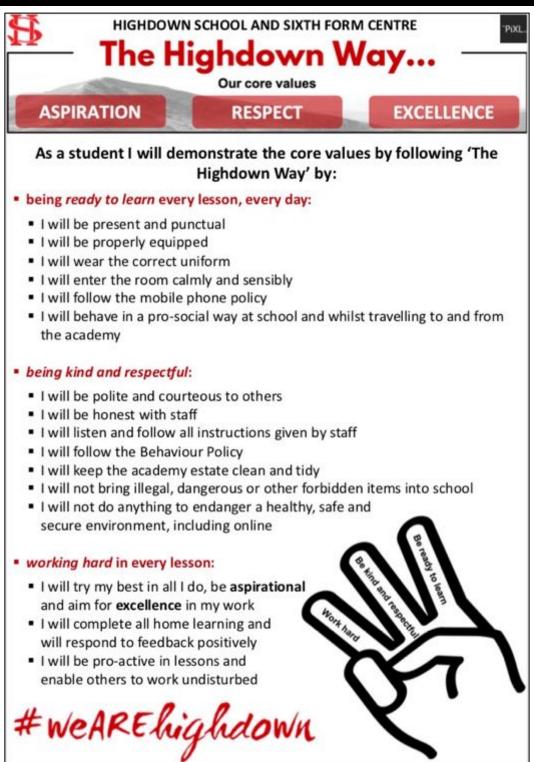
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Vision statement

Highdown is a happy, caring, thriving and inclusive academy where all students aspire to, and achieve, their full potential. From their first day, they will be motivated, challenged and engaged by high quality teaching and so develop a lifelong love of learning. Students, in partnership with school and home, will be active, independent and resilient learners who acknowledge their responsibility in upholding the academy's values. With the support of exceptional pastoral care and guidance, extra-curricular activities and strong community links, the personal development of all students will be outstanding. Students will then move on from Highdown as confident global citizens equipped to make positive contributions to society.

'The Highdown Way' (Student code of conduct)



-DIXIensure your child attends school regularly, on time encourage my child to take a full and active part in work in partnership with the academy to promote ensure that my child completes all home learning treat all staff with courtesy and respect and help take an active interest in all aspects of my child's Highdown Way' and support any action taken by my child meet expectations of our core values set, by checking Show My Homework website activities, including wearing the correct school ensure my child understands and follows 'the regularly, and to the best possible standard and is properly equipped for all lessons and life in school, encouraging high aspirations EXCELLENCE school over matters of discipline As a parent/carer we/l will: my child's development The Highdown Way... school life uniform HIGHDOWN SCHOOL AND SIXTH FORM CENTRE I will listen and follow all instructions given by I will behave in a pro-social way at school and As a student I will demonstrate the core values by I will keep the academy estate clean and tidy being kind and respectful to myself and others: whilst travelling to and from the academy being ready to learn every lesson, every day: I will not bring illegal, dangerous or other I will enter the room calmly and sensibly I will be polite and courteous to others I will follow the mobile phone policy **Our core values** RESPECT I will follow the Behaviour Policy I will wear the correct uniform I will be present and punctual following 'The Highdown Way' by: forbidden items into school I will be properly equipped I will be honest with staff promote high aspirations and expectations for all ensure that students understand our values and provide a rich, broad, balanced, stimulating and support personal development through positive relationships and awareness of rights and social provide a safe, happy and caring environment well taught curriculum to meet the needs of set, monitor and provide feedback on home **ASPIRATION** work with agencies to promote community learning in line with the Curriculum Policy. behaviour, mutual respect and attitude to promote high standards of attendance, students and promote excellence follow 'the Highdown Way' As an academy we will: responsibilities students learning

- cohesion, safety and well-being listen to concerns reported about a student's emotional well-being which may affect their behaviour in school
- ensure equal opportunities for all students
- keep parents informed about general academy matters and issues
 - work with parents/carers in partnership to support students' development and progress

I will not do anything to endanger a healthy, safe and secure environment, including online

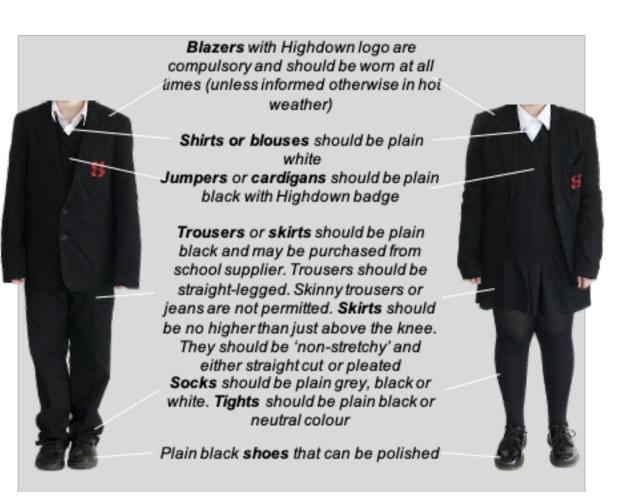
- working hard in every lesson:
- I will try my best in all I do, be aspirational and aim for excellence in my work
- I will complete all home learning and will respond to feedback positively
- I will be pro-active in lessons and enable others to work undisturbed
- attend parents meetings to discuss my child's
- welfare, progress and journey to excellence share information about any concerns that might
 - share information about any concerns that might affect my child's work or behaviour
- ensure the academy is informed of any change in medical conditions, in family circumstances, and in contact details # WeARE highdown

EXPECTATIONS

Students should arrive at school between

8.00am and 8.30am

- The Gallery is open from 7.30am to buy breakfast
- If you arrive after 9.05am sign in at Student Reception
- If you are going to be absent your parents should phone before 9.05am
- If you are late you will be given an after school detention
- 90% attendance over 5 years = ½ a school year missed



Hairstyles should be simple and not attention-seeking. Shaved patterns are not permitted.
 Jewellery is not permitted except single studs or sleepers (no more than one per ear), a small ring or concealed necklace/chain. All jewellery must be removed for PE lessons. Make up should be inconspicuous. Nail varnish/polish and false fingernails are not permitted. Please ensure that EVERYTHING is named clearly. Hats/caps may not be worn inside school buildings.

Highdown PE Shirt	With school logo	Compulsory – from school supplier
Highdown Shorts	Black with school logo	Compulsory – from school supplier
Highdown Multisports Top	With school logo	Compulsory for outdoor sports – from school supplier
Highdown Long Sports Socks	Red with school logo	Compulsory – from school supplier
Highdown Tracksuit Bottoms	Black with school logo	Optional – from school supplier
Highdown Sports Hoodie	With school logo	Optional – from school supplier
Trainers		Compulsory. These should be fairly strong, but not too heavy or bulky. Multipurpose/cross trainers would be appropriate.
Jewellery		All jewellery/piercings must be removed for PE
Extras when required	•	·
Swimming costume and towel		
Football boots		
Shin-pads	Compulsory for school matche	es
Mouthguards	Recommended for all Rugby le	essons

Other equipment

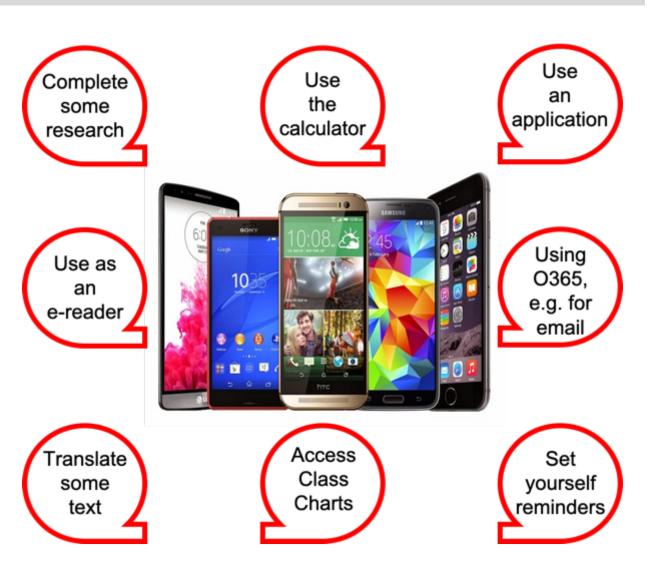
Students must come to school with the following basic items of equipment for every lesson:

- Blue/black pen (and a spare one) and pencil
- Coloured pens/pencils
- Ruler
- Pencil sharpener/eraser
- A calculator
- A protractor and a pair of compasses (geometry set)
- Reading Book

Stationery items should be kept in a pencil case and all equipment should be carried in a school bag.

If you forget to bring your equipment or it just needs replacing, you will now be able to make purchases of basic stationery items for a small cost from our Finance Office (near Student Reception).

Mobile phone devices are brought to school at students' own risk. Highdown School and Sixth Form Centre does not accept any liability for loss or damage whilst at, or on route to/from, the academy.



We expect students to use their mobile phones responsibly and appropriately to support learning at Highdown School. Students who misuse their mobile phone will either have it confiscated for the remainder of the day or will have an after school C3 detention. Confiscated mobile phones will be returned to the Headteacher's PA's office for collection at the end of the school day. Examples of misuse include: using in a lesson/mentor period/assembly without permission, playing music so others can hear it, taking photographs/videos of others without consent, making threatening calls, sending inappropriate messages to others or about others and/or misuse of social media. Earphones should be packed away in bags during lessons. #responsible_use #acceptable_use

READINESS TO LEARN CONTINUUM

A guide to assessing a student's attitude to learning

		POOR	REQUIRES IMPROVEMENT		GOOD	EXCELLENT
	ŀ	tion office aire un unloss house		•	tion comain (an tack)	Ac above alive.
		you orten give up when work becomes	 you sometimes drift off-task when 		you remain on task	As good, plus:
		challenging	work becomes challenging	•	you persevere with challenging work	 you actively choose more demanding
CIASS WORK	•	your class work is often incomplete as	 your class work is usually complete 	•	you complete your work with care and	tasks (if offered)
and growth		a result of a lack of effort or focus	but not always to the best of your		pride	 you demonstrate high standards of
mindent	•	you rarely show care or pride in the	ability, e.g. rushed, limited detail, etc.			presentation in your work
		quality of your work or its	 you do not always take care with the 			1
		presentation	presentation of your work			
	•	you rarely engage in tasks in lessons	 you sometimes struggle to engage in 	•	you engage with your learning and the	As good, plus:
		so that your learning is compromised	tasks in lessons to the expected level		tasks provided so that your learning is	 you engage very well with your
	•	you struggle to pay attention to	which hinders your learning		not hindered	learning and tasks provided
Engagement		instructions, your teacher's	 you can become distracted and lose 	•	you maintain good focus in lessons,	 you show real determination to learn
and focus		explanations or your peers'	focus on your work, particularly when		e.g. on your work, on your teacher's	and improve
		contributions.	work becomes more challenging		instructions and explanations and on	
	•	you are often distracted, showing little focus			your peers' contributions	
	•	you rarely, if at all, participate in	 you sometimes contribute to, and 	•	you are willing to, and often do,	As good. plus:
		lessons	participate in, lessons		contribute to lessons	 you regularly strive to contribute to
Contribution	52%			•	you work well with your peers and	lessons
in class					support their learning	 your contributions help lead the
				•	you make a concerted effort to move	learning of others, e.g. by asking
					out of your 'comfort zone'	questions about the subject
	•	your home learning is often	 you usually complete your home 	•	you complete your home learning	As good, plus:
		incomplete, not attempted or not	learning although this may not always	5	tasks on time	 you complete additional 'challenge' or
Home		submitted	be on time or to the best of your	•	your work completed outside of	'extension' tasks or go 'above and
laarning	•	your work demonstrates a lack of care	ability, e.g. rushed, limited detail, etc.		lessons demonstrates care and pride	beyond' with your work
		and pride	 your work can demonstrate a lack of 			 your work demonstrates high
			care or pride			standards of presentation
	•	you do not respond to verbal or	 you respond to verbal and/or written 	•	you consistently respond to feedback	As good, plus:
		written feedback	feedback but do so inconsistently, e.g.		in all forms and this helps improve	 you are proactive in seeking feedback
Responding	•	you do not always accept feedback	not all the time, only parts of feedback		your learning	and act upon all forms of feedback
to feedback			responded to, etc.			positively so that your learning is
						deepened
		you rarely bring the correct and	 you sometimes lack the correct 	•	you usually bring the correct and/or	As good, plus:
		required equipment to lessons	and/or required equipment for	1	required equipment to lessons	 you carefully manage your time and
Organisation	•	you do not manage time and/or work	lessons		you are able to self-regulate your	work to maximise your learning and
0	25	errectively, and this compromises your learning and progress	 you sometimes need direction to neip manage your time or work so that 		organisation of time and work	 progress you self-check your work before
	_		your learning is not hindered			submission

EXPECTATIONS

At Highdown School and Sixth Form Centre, keeping all young people safe is one of our main priorities. If students have any concerns or would like to discuss any issues relating to their, or a peer's, safety and well-being they can talk to their Head of Achievement, one of the Designated Safeguarding officers, or indeed any member of Highdown staff.

If you are worried or anxious about yourself or a friend, you can talk to any adult.



Mrs Boys



Mr Grantham



Mr Franks

Students school school email: <u>safeguarding@highdown.reading.sch.uk</u> Students from personal email/Parents: <u>dso@highdown.reading.sch.uk</u>

The role of the Designated Safeguarding Officers is to safeguard all young people and promote their welfare. Child Protection refers to the activity which is undertaken to protect young people who are suffering or at risk of suffering significant mental or physical harm. Highdown School works closely with other professional organisations, including social care and the police.

- Staying safe online means keeping your personal details private, such as full name, phone number, home address, photos or school. Never enter information about your age, name or location.
- Meeting up with someone you have met online is dangerous.
- Information online can be untrue, biased or just inaccurate. Someone online may not be telling the truth about who they are they may not be a 'friend'.
- Let a parent, teacher or trusted adult know if you ever feel worried, uncomfortable or frightened about something online or someone you have met or who has contacted you online.
- Emails, downloads, IM messages, photos and anything from someone you do not know or trust may contain a virus or unpleasant message. So do not open or reply.
- All students have their own Highdown email account. Use your school log in to access your messages. As with all Internet use in school, student email can be monitored to ensure safe and correct use.
- Never send a photo or video of yourself either semi-naked or naked to anyone. This is illegal. If anyone ever asks you to send something that makes you feel uncomfortable immediately tell your parents, a trusted adult, teacher or safeguarding officer.

Websites with online safety information, advice and guidance can be found on our school website in the student/parent zone at www.highdown.reading.sch.uk



Your safety and well-being is the priority for Highdown School. When you are travelling to and from school you have the responsibility to be sensible and use good judgement to keep safe. This includes the safe use of bicycles when cycling to and from school. Please find below some common sense guidelines below that are intended to keep you safe.

ALL STUDENTS

- Your safety is your responsibility. Be sensible and be aware of your surroundings and take care when crossing roads, especially busy ones.
- Where possible use pedestrian crossings or cross roads where there is less or slower moving traffic.
- It is particularly important to take care and pay attention to crossing roads if you are using a mobile phone or listening to music with your earphones in.
- When walking in groups consider other pedestrians and road users and make sure that all of you are on the pavement.
- Whenever possible walk home with friends for as much of the journey as possible.
- On most occasions you should look to walk to and from school in the daylight.
- If your parents are expecting you home and you have a change of plans or are going to be late, contact them to let them know.

WHEN RIDING A BIKE

- A helmet should be worn at all times and bright not dark clothing at twilight/night
- Don't disobey traffic signs and signals. Ride safely.
- Don't ride without lights in the dark
- Don't ride the bike if it is in poor condition and unsafe to ride. Brakes? Tyres?
- Don't ride with earphones in or speak on your mobile phone
- Don't ride on the path unless there is a marked cycle path
- Only one person on a bike.

We know that the greatest majority of students are very sensible and make good choices. If students are making poor choices and endangering the safety of themselves and others, then Highdown School will contact parents and consequences will be put in place. This could include removing permission to cycle to school.

What is bullying?

Bullying is behaviour by an individual or a group that is seen by you as an attempt to hurt, frighten, humiliate or threaten you or someone else, particularly if the behaviour is repeated or persistent.

Bullying o	an be
Physical	Hitting, pushing, taking someone's belongings
Verbal	Name calling, insults, racist, sexist, homophobic or transphobic remarks, threatening or demanding money.
Indirect	Spreading rumours, sending abusive text messages / emails, cyberbullying, excluding someone from a group.

How to react

- Try to ignore bullies. Walk away and do not let them see that you are upset. Don't give them the satisfaction of getting a reaction from you.
- If you can, calmly stand up for yourself and ask them to stop their behaviour.
- Try to stay with your friends and avoid being on your own.

What to do next

Tell someone you trust. This could be a friend, someone at home or a teacher. Just talking to someone may help you to find a solution to the problem.

What will happen if you tell a teacher?

The teacher will listen to you and offer support. The teacher can talk to the person who is bullying you and hopefully stop the bullying.

What to do if you see bullying?

- Comfort, support and stay with the victim.
- Tell the victim to report the incident.
- Tell someone (e.g. a teacher) what you have seen.
- If you are in a group where one member is bullying, show that you disapprove, because by doing nothing you support the bully.
- Email <u>safeguarding@highdown.reading.sch.uk</u> (with your own school email) or <u>dso@highdown.reading.reading.sch.uk</u> (from your personal email)

Bullies need help to overcome THEIR problem so don't ignore bullying.



What is the STAR Centre?

The STAR Centre is a place where you can talk about your problems, express your feelings, trust people and it helps you to settle into school.

Year 7 Transition Groups

The groups are good because it's easier to talk in a smaller group which helps you to trust people, settle in and meet new people and helps you to speak up. When you discuss your feelings it helps you to feel good. If you still need help after the group has finished then the STAR Centre is still there to help. You can come in to talk to someone at break, tutor time or lunch time.

Lunch and After School Clubs

The STAR Centre is open to Year 7s for Lunch Club every day during break and lunch times.

Mentoring

WANT TO KNOW MORE ABOUT MENTORING? READ BELOW TO FIND OUT MORE.

Who's running it?

Sixth Form students have undergone training in the mentoring process.

What will the mentors do?

Mentors primarily listen to students. They form a relationship built on trust. Sixth Form students have experienced life at Highdown and are able to empathise with younger students.

Senior Leaders

Ms R E Cave	Headteacher
Mr M A Grantham	Deputy Head [Pastoral and Community]
Mr J Reid	Deputy Head [Curriculum and Professional Learning]
Dr S Capaldi	Assistant Head [Culture and Attitude]
Mrs S Flynn	Assistant Head [Curriculum and Development]
Mr A Franks	Assistant Head [Inclusion]
Mrs L Cripps	Assistant Head [Curriculum Implementation]
Mrs M Grantham	Assistant Head [Curriculum Impact]
Mr D Burnell	Associate Senior Leader
Mr K Prior	Head of Sixth Form
Ms D Company	School Business Manager

Heads of Achievement

Mrs S Pearce	Year 7
Mr J Lester	Year 8
Miss F Probert	Year 9
Mr D Burnell	Year 10
Mrs T Taylor	Year 11
Mr M A Flynn	Years 12/13

Curriculum Leaders

Miss E Garner
Miss S Stevens
Mr D Stephenson
Ms N Salmon
Mr M Hampson
Mrs R Eaton
Mrs M Grantham
Miss L Hurst
Mr W Dineley
Mrs S Lake
Mr N Morris
Miss J Fathers
Mrs J Arnold
Miss C Lobo

Art Business and Economics Computing and ICT English Ethics and Citizenship Geography History Languages Maths Performing Arts Physical Education Science SEND and VI Technology

Heads of House



Caversham

Mr A Gordon



Grove

Ms J Claridge



Mapledurham

Mr C Sheridan

RO KITER B

Rosehill

Mr C Turner

The Academy Day

The academy day begins at 8.40am for Mentor Period.

wĸ –	1	2	3	4	5
A	9.05-10.05	KS3: 10.25-11.25 KS4: 10.05-11.05	11.25-12.25	KS3: 13.05-14.05 KS4: 12.25-13.25	14.05-15.05
Mon					
Tues					
Wed					
Thur					
Fri					

WK -	1	2	3	4	5
B	9.05-10.05	KS3: 10.25-11.25 KS4: 10.05-11.05	11.25-12.25	KS3: 13.05-14.05 KS4: 12.25-13.25	14.05-15.05
Mon					
Tues					
Wed					
Thur					
Fri					

Years 7-9 Break: 10.05-10.20am, Years 10-13 Break: 11.05-11.25 Years 7-9 Lunch: 12.25-13.05, Years 10-13 Lunch: 13.25-14.05

Term dates

Term 1 2021	Thursday 2 nd September 2021 to Friday 22 nd October 2021
Professional Learning Day 1:	Wednesday 1 st September 2021 Thursday 2 nd September – Term starts for Year 7 Friday 3 rd September – Term starts for Year 12 Monday 6 th September – Terms starts for all year groups
Professional Learning Day 2:	Friday 1 st October 2021
Term 2 2021	Monday 1 st November 2021 to Friday 17 th December 2021
Term 3 2022	Wednesday 5 th January 2022 to Friday 18 th February 2022
Professional Learning Day 3:	Tuesday 4 th January 2022
Term 4 2022	Monday 28 th February 2022 to Friday 8 th April 2022
Term 5 2022	Tuesday 26 th April 2022 to Friday 27 th May 2022
Professional Learning Day 4: Bank Holiday	Monday 25 th April 2022 Monday 2 nd May 2022
Term 6 2022	Monday 6 th June 2022 to Friday 20 th July 2022
Professional Learning Day 5:	Friday 24 th June 2022

Professional Learning Days - The academy is closed to students

PiXL Edge

PiXL Edge has been designed to give you the 'edge' by helping you to develop essential skills needed for further education, the workplace and for life in general. These skills do not just 'happen' but need to be developed over time.

PiXL Edge helps you to develop the LORIC Skills:

- Leadership
- Organisation
- Resilience
- Initiative
- Communication

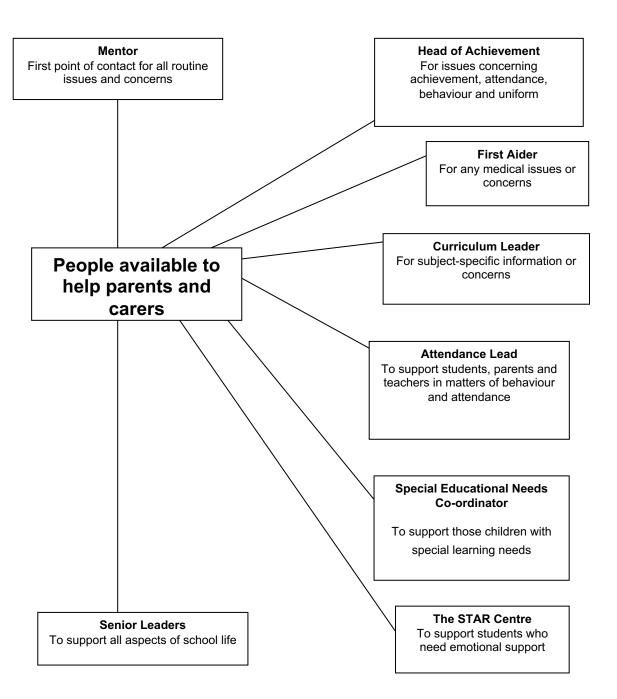
These skills are developed through completing a number of challenges and reflecting on how your LORIC skills have improved over time. As you get older the challenges get more difficult. There are three Edge qualifications, Apprentice, (Years 7-8), Graduate (Years 9-10) and Masters (Years 11-13). If you complete them all they will certainly give yourself the Edge!

Resources can be found on the school website in the student experience zone. Website - theedge.pixl.org.uk



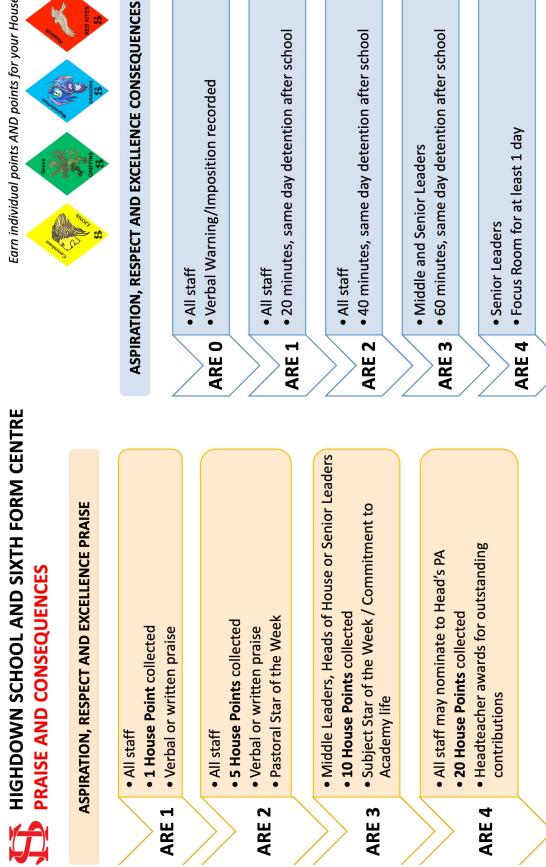
Problem	Who and Where
I arrive late at school?	Sign in class before 9.05 am, in Student Reception after that
	time
I have a dental/medical	Bring a note from your parent.
appointment?	Ask your Head of Achievement to sign your parent's note. Sign
	out at Student Reception when you leave and sign in when/if
	you return.
I have lost something?	Lost property is kept in the school office.
	Remember: all property should be marked with your name.
I don't understand a home	See your subject teacher or your mentor or a friend.
learning task?	
I have forgotten to bring	Explain to your subject teacher at the start of the lesson.
something to school?	
I get something confiscated?	Ask the teacher who has confiscated it when it can be collected
	and what the conditions are.
I don't feel well?	Tell your teacher, who may send you to Student Reception.
I am absent?	Get a parent to phone the school on the first morning before
	9.05am. Bring a letter on your return, catch up on missed
	work.
I take medication?	Medication should be taken to First Aid. Bring a letter from
	home to explain what the medication is for and when it needs
	to be taken.
I am being bullied?	Tell somebody – your mentor, a parent, a teacher, a friend or
	email safeguarding@highdown.reading.sch.uk
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We have a wide range of people available to help parents and carers with any issues they may have. Please ring the School Office to request an appointment giving at least 24 hours' notice.



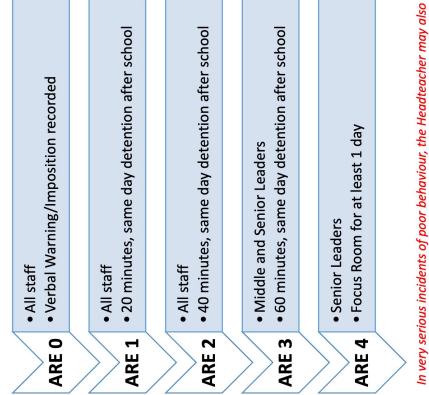
Earn individual points AND points for your House!

Behaviour Praise / Consequences



In very serious incidents of poor behaviour the academy may also use fixed term exclusions and permanent exclusion.

INFORMATION



use fixed term exclusions and/or permanent exclusion

Class Charts

Praise and consequences will be shared with students

and parents/carers live via our Class Charts app:

Extra-curricular opportunities

There are a wide range of opportunities for students in all year groups to get involved in clubs at lunchtimes and after school. Find out more about what's on offer here:

Highdown Sixth Form

You can find out more about our sixth form provision in terms of pastoral support, curriculum and study programmes on our website. Also, you can find out here why our A-Level results are in the top 5% of results nationally:





Home learning

All home learning will be set using the online Class Charts portal. Students will be given their own accounts to help them track and manage their home learning. Parents/carers will also have their own account so they can support students with their home learning and time management.



www.classcharts.com

Benefits of home learning:

- Home learning helps to improve your thinking and memory
- It helps you develop good study skills and habits that will be useful to you throughout your life
- It teaches you to use your time wisely
- It helps you to work independently and to take responsibility for your own work
- Home learning allows you to review and practice what has been covered in lessons and helps you get ready for next lesson
- It helps you to learn how to use different resources to find information
- It encourages you to explore subjects more fully than is possible in a lesson
- Home learning allows you to extend learning by applying new skills to new situations
- Home learning helps to consolidate and enhance your learning.

Organising your home learning:

Students who regularly study at home are more successful in assessments, tests and exams.

- Use your Class Charts calendar to know when your home learning is due in.
- Use all the information available some will be saved as attachments in Class Charts.
- Choose a good environment to learn and work. Avoid distractions. You could use our school library or home learning club after school.
- Ask for help if you need it.

Day	Week A	Week B
Mon		
Tue		
Wed		
Thur		
Fri		

Expectations:

Home learning will be set according to your home learning timetable below.

Years 7-9 should expect about 30-40 minutes of home learning per subject a week.



- To record your learning.
- An opportunity to take pride in your new knowledge, understanding and skills.
- To support your progress through feedback so you know what you are good at and what you need to work on to get better.
- To support you in revising for assessments, tests and exams.
- It is your *passport* to the next stage in your academic career.

Are you proud of the work you have completed today? If it's not EXCELLENT It's not FINISHED

If your world depended on it, could you rely on the work in your exercise book / work folder?

When you show your exercise book / work folder to your parent/carer will they be proud of your work?

Getting 'unstuck'

A guide to RESILIENCE



Created by MAG, based on an Infographic created by Siaran Morgan-Lloyd

do? Would that

work now?

would you do? Now

try that!

world. Would you

make a decision and

hope it was the right one? Give it a go.

LEARNING



Feedback, MRIs and DIRT



LEARNING

23

Questioning grid

		ls? Present	Did? Past	Can? Possibility	Would? Probability	Will? Prediction	Might? Imagination
	What? Event						
	WHERE? Where/ When?						
	When? Choice						
GRID	Who? Person						
	Why? Reason						
	How? Process						

The Periodic Table

	-						(G R O	UP								
1	2											3	4	5	6	7	0
									4 He helium								
Li lithium	9 Be beryllium 4									11 B boron 5	12 C carbon 6	14 N nitrogen	16 O oxygen 8	19 F fluorine 9	20 Ne neon		
23 Na sodium	24 Mg magnesium 12											27 Al aluminium 13	28 Si silicon	31 P phosphorus 15	32 S	35.5 Cl chlorine	40 Ar argon
39 K potassium 19	40 Ca calcium 20	45 Sc scandium 21	48 Ti titanium 22	51 V vanadium 23	52 Cr chromium 24	55 Mn manganese 25	56 Fe iron 26	59 Co cobait 27	59 Ni ^{nickel} 28	63.5 Cu ^{copper} 29	65 Zn ^{zinc}	70 Ga gallium 31	73 Ge germanium 32	75 As arsenic 33	79 Se selenium 34	80 Br bromine 35	84 Kr krypton 36
85 Rb rubidium 37	88 Sr strontium 38	89 Y yttrium 39	91 Zr zirconium 40	93 Nb niobium 41	96 Mo molybdenum 42	^[98] Tc	101 Ru ruthenium 44	103 Rh rhodium 45	106 Pd palladium 46	108 Ag silver	112 Cd cadmium 48	115 In indium 49	119 Sn 50	122 Sb antimony 51	128 Te tellurium 52	127 iodine 53	131 Xe xenon 54
133 Cs caesium 55	137 Ba barium 56	139 La Ianthanum 57	178 Hf hafnium 72	181 Ta tantalum 73	184 W tungsten 74	186 Re rhenium 75	190 OS osmium 76	192 Ir iridium 77	195 Pt platinum 78	197 Au ^{gold}	201 Hg mercury 80	204 TI thallium 81	207 Pb lead 82	209 Bi bismuth 83	[209] Po polonium 84	[210] At astatine 85	[222] Rn radon 86
[223] Fr trancium	[226] Ra radium 88	[227] AC actinium 89	[261] Rf rutherfordium 104	[262] Db	[266] Sg seaborgium 106	[264] Bh bohrium 107	[277] HS hassium 108	[268] Mt meitnerium 109	[271] DS darmstadtium 110	[272] Rg roentgenium 111	[285] Cn	[286] Nh Nihonium 113	[289] FI Flerovium 114	[289] MC Moscovium 115	[293] LV Livermorium 116	[294] TS Tennessine 117	[294] Oganesson 118
	00	09	104	140	141	144	145	150	152	157	159	163	165	167	169	173	175
*	Lantha	noids		Ce cerium 58	Pr praseodymium 59	Nd neodymium 60	Pm promethium 61	Sm samarium 62	Eu europium 63	Gd gadolinium 64	Tb terbium 65	Dy dysprosium 66	Ho holmium 67	Er erbium 68	Tm thulium 69	Yb ytterbium 70	Lu Iutetium
** Actinoids			[231] Pa protactinium	238 U uranium	[237] Np neptunium	[242] Pu plutonium	[243] Am americium	[247] Cm curium	[245] Bk berkelium	[251] Cf californium	[254] ES einsteinium	[253] Fm fermium	[256] Md mendelevium	[254] No nobelium	[257] Lr Iawrencium		
90 91 92 93 94 95 96 97 98 99 100 101 102 103 Please note: Where elements do not have a stable isotope, the relative atomic mass is given in square brackets																	
STATE AT ROOM BACKGROUND COLOUR TEMPERATURE																	
KEY				quid	*H.8	Inelals Relation	taline Larin	Melays	Semimetals	Nonmetals	(Ton metals)	Noble das (non metals)					

T

Learn more about the Periodic Table & the Elements at www.periodicvideos.com

Writing connectives and reading lists

Adding	Sequencing		
and	next		
also	then		
as well as	first, second, third		
moreover	finally		
too	meanwhile		
in addition	after		
Emphasising	Comparing		
above all	equally		
in particular	in the same way		
especially	similarly		
significantly	likewise		
Indeed	as with		
notable	like		
	like		
Cause and effect	Qualifying		
because	however apart from		
so	although yet		
therefore	unless by that fact		
thus	except		
consequently	if		
as a result	as long as		
Illustrating	Contrasting		
-	-		
for example	whereas		
such as	instead of		
for instance	alternatively		
as revealed by	otherwise		
in the case of	unlike		
it is evident that	on the other hand		
	<u>,</u>		

There are a number of recommended texts for different year groups to read found on our website here:



LEARNING

Conversions

Length and Distance

- 1 kilometre (km) = 1,000 metres (m) = 0.6214 miles 1 m = 100 centimetres (cm) = 39.37 inches (in)
- 1 cm = 10 millimetres (mm) = 0.3937 in 1 mile = 1760 yards (yd) = 1.6093 km
- 1 mile = 1760 yards (yd) = 1.61 yd = 3 feet (ft) = 91.44 cm
- 1 yd = 3 leet (ii) = 91.44 cm1 ft = 12 in = 30.48 cm
- 1 in = 2.54 cm

Weight

1 tonne (t) = 1,000 kilograms (kg) = 2,204.62 pounds (lk	5)
1 kg = 1,000 grams (g) = 2.2046 lb	
1 g = 1,000 milligrams (mg) = 0.0353 ounces (oz.)	
1 stone = 14 lb = 6.3503 kg	
1 lb. = 16 oz = 0.4536 kg	
1 oz. = 437.5 grains = 28.3495 g	

Volume & Capacity

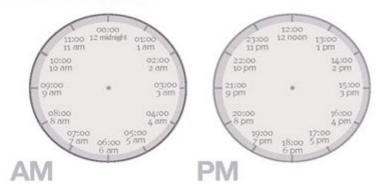
1 litre (I) = 100 centilitres (cI) = 1.7598 pints (pt.)
1 cl = 10 mililitres (ml) = 0.0175 pt.
1 gal = 8 pt. = 4.546 l
1 pt. = 20 fluid ounces (fl oz) = 0.5683 l
1 tablespoon (tbs) =17.76 ml

Velocity

Kilometres per hour (kph) x 0.62 =	= mph
Miles per hour (mph) x 1.6093 = k	ph

Kilo means 1,000... metres, grams etc. Centi means 1/100th ... of a litre, metre etc. Milli means 1/1000th ... of a litre, metre etc.

24 Hour Clock



Temperature Chart

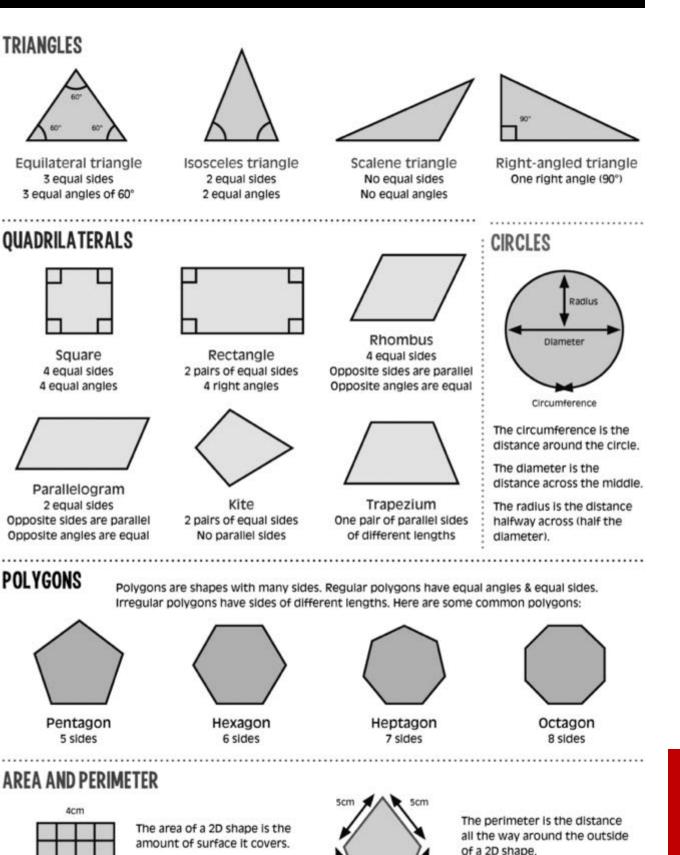
To change Fahrenheit (F) to Celsius (C): $F - 32 \times 5 \div 9 = C$

To change Celsius (C) to Fahrenheit (F): C x 9 \div 5 + 32 = F

F	C
212	100
203	95
194	90
185	85
176	80
167	75
158	70
149	65
140	60
131	55
122	50
113	45
104	40
95	35
86	30
77	25
68	20
59	15
50	10
41	5
32	0
23	-5
14	-10
5	-15
0	-17.8
ł	1

Absolute zero 0°K (Kelvin) -273.15C CONVERSIONS

Maths



10cm

10cm

To work our area, multiply

The area of this rectangle is

the length by the width.

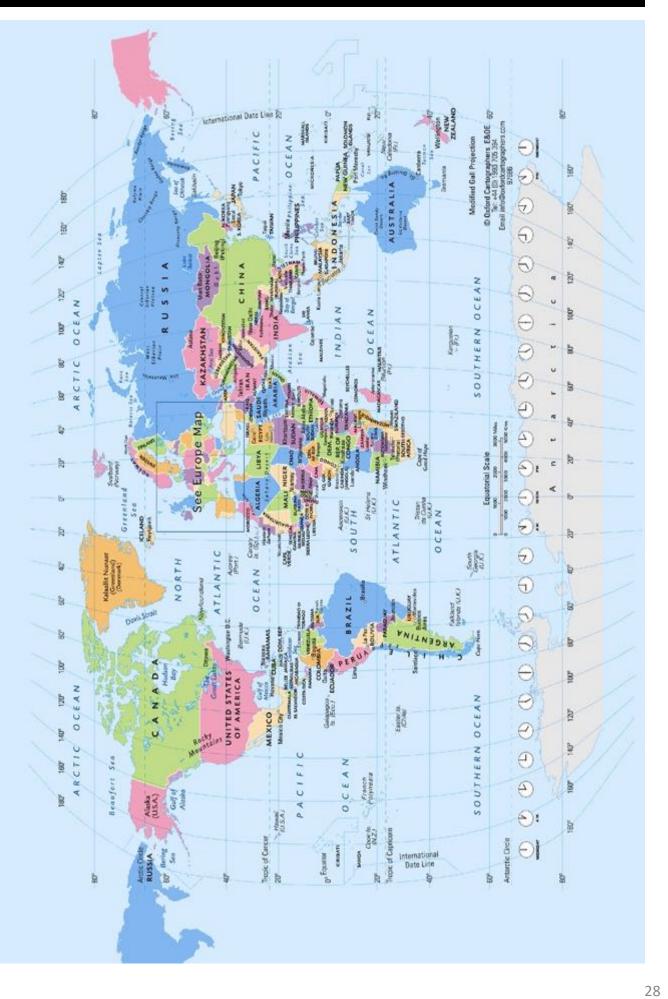
 $6 \times 4 = 24 \text{ cm}2$

6cm

To work out the perimeter, add up the lengths of all the sides.

The area of this shape is

5 + 5 + 10 + 10 = 30cm



LEARNING

There are a wide range of resources and ideas to support preparation for examinations on our website, found here:



Before the examinations start:

Before the examinations start:	
WRITE A GOOD REVISION PLAN	Don't do just one subject a day; you'll get
AND STICK TO IT	tired of it. Try to vary your subjects but
	make sure that when you come back to a
	subject done previously you are not
	covering the same work.
COMPLETE PAST EXAM PAPERS	These can be acquired from teachers or
	the examination board website. Complete
	these under exam conditions (timed is
	important!). Then get your teacher to
	mark them and feedback to you.
CHECK IN WITH YOUR	Show them the work you have done for
TEACHER	revision and get feedback for areas to
	focus on or ideas for further activities.
MAKE SURE YOUR REVISION	If possible somewhere quiet and well lit is
AREA IS SUITABLE	desirable. Music can also aid revision but
	this is down to your own preferences.
	Make sure the type of music is suitable to
	a learning environment.
KEEP HYDRATED AND FED	Nothing worse than focusing on your
	stomach when you should be working!
ADD IN SHORT BREAKS TO	Think about activities you could be doing
MAINTAIN FOCUS	during these breaks. Trying to remember
	a certain topic, or asking a family member
	or friend to quiz you on the work you've
	just studied. Put tasks like this into your
	revision timetable. This will help stop the
	boredom setting in.
DON'T BE SCARED TO ADJUST	If you feel that a subject is becoming a
YOUR REVISION TIMETABLE	concern alter your timetable to reflect this
	and add more time in to cover the topic.
KNOW THE EXAM BOARDS	AQA, Edexcel, WJEC, or OCR - look at their
	websites for top tips.
HLP	Use the Highdown HLP or revision sites to
	help guide your revision.
RELAX	Make sure you timetable in any important
	events and days off to reward yourself for
	the hard work.
INCREASE YOUR REVISION	Your timetable will evolve as you
	approach and enter the examination
	period. Once a subject has finished
	teaching its content in school you must
	increase your revision at home as
	traditional homework will have stopped.

During the examinations period:

FILL IN DATES AND COUNTDOWN	Try to fill in the dates of your exams and use a
	countdown method. This will help you focus on the
	immediate exams and allow you to plan ample
	revision time for others.
BUILD CONFIDENCE	Thorough revision prior to the exam will build your
	confidence. Try to keep your revision light on the day
	of the exam. Going over key facts or words is more
	desirable than trying to learn a whole topic because
	you are not prepared.
GET UP EARLY, EAT BREAKFAST	Make sure you're up with plenty of time and have a
	light breakfast of healthy food – bananas are good.
REFLECT FREED UP TIME IN TIMETABLE	Make sure that once you have completed an exam
	your revision timetable reflects it. Use the freed up
	time to focus on the remaining exams rather than
	seeing it as 'free' time.

A revision toolbox:

Trident it!	Journey it!	Index it!
Create a trident of the key points using the following shape.	Remember lists of information by creating events and images at certain points on a journey.	Write the key points on index cards. Use them to learn the sequences too.
Story it!	Mnemonic it!	Click it!
Create a bizarre and multi- sensory story using the key points.	Use the first letter of key words to create a sequence. E.g. <u>N</u> aughty <u>Elephants</u> <u>S</u> quirt <u>W</u> ater	Create a presentation about the key points.
Quiz it!	Timeline it!	Sing it!
Create your own questions from the answers.	A great technique for dates or sequences — place them in order along a line, then add lot's of colour, pictures and labels. 1066 1500 1900	Set some of your work to music or make your own tune. Use rhythmic beat, rhyme the words or even create a rap.
Podcast it!	Post it!	P oster it!
Let your brain really hear your work. Record yourself talking about it – even play it as you fall asleep.	Write key words on to post it notes and stick them around your room.	Create your own poster using diagrams, flow charts, etc.





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