

## THE TODHIGH WAY (KS3)

We are great learners because we show *care, respect* and *honesty*.

Sign and keep your contractual promise.....

### MY BEST EFFORT

I understand how important education, reading, writing and number-work are. I will learn, think and behave in the best way I know how and do whatever it takes to learn and to help my fellow students learn, too. I will be caring, respectful and honest with myself and my community.

### SHOW PRIDE IN YOUR LEARNING

**P** is for **PRESENTATION**: My work is always neat and well presented. I take pride in the way I present my work in my book, folder or ICT file. Work that is well presented shows **care** and attention to detail. I understand that it is **respectful** to present my work well for my teachers and other students.  
**Taking care in my work is a great learning habit.**

**R** is for **RESILIENCE**: I am not a quitter. I never give up. I remain positive and resilient even when the work is hard. I do what it takes to succeed, for as long as it takes, in my class-learning and homework. I learn from mistakes and try even harder next time, because I **care** about my future.  
**Resilience is a great learning habit.**

**I** is for **INDEPENDENCE** : I am self -motivated and self-reliant. I am a respectful learner. I know it's my job to work things out for myself. I try things out and do research on my own. I am curious to learn new things and I can motivate myself to do well.  
**Independence is a great learning habit.**

**D** is for **DEADLINES**: I can meet deadlines. I do not let people down, because I show care, respect and honesty towards my learning. I stick to deadlines so that I do not fall behind with my learning. I meet classwork, homework, assessment and revision deadlines.  
**Meeting ( or beating) deadlines is a great learning habit.**

**E** is for **EXCELLENCE**: I strive for excellence and do not settle for second best. I aim to hit and beat my challenging targets in each subject. I want to be *aspirational , inspirational* and *remarkable* in what I do. I am for excellence in my class learning, my preparation for tests and in my homework.  
**Striving for excellence is a great learning habit.**

Be resilient and take responsibility for **your** learning.

The expectation, within science, is that one homework task is completed per topic.

The homework tasks are differentiated. This means that they have different levels difficulty. There are three levels of difficulty; developing, securing and exceeding.

The more frequently you challenge yourself by completing the 'exceeding' homework tasks, the better your knowledge and understanding will be come. You will frequently be given the option to choose your own homework tasks however, your teacher may also tell you which task to complete.

***"Great things never come from comfort zones."***

Progress will be measured on the both the difficulty of tasks you have chosen and the quality of the work produced.

Be independent and use your homework time table to plan ahead, ensuring you have shown care, respect and honesty towards your personal learning journey.

Go the extra mile, and do extra and harder challenges.

**Your loyalty to your learning will be closely monitored and rewards will be issued throughout each half term.**

Take PRIDE in your work and your future aspirations.

# Year 7 SCIENCE: I am aiming to achieve a grade \_\_\_\_\_ by the end of year 7.

## Curriculum Timeline

<b>Term 1</b>	Safety in the Lab	Muscles and bones	Acids and alkalis	Sound	Cells	The particle model
<b>Term 2</b>	Forces	Ecosystems	Mixtures and separation	Electricity		
<b>Term 3</b>	Reproduction	Atoms, elements and molecules	Energy	Feedback and project work		

## Useful resources:



<https://quizlet.com/>



[https://www.cgpbooks.co.uk/Student/books\\_ks3\\_science](https://www.cgpbooks.co.uk/Student/books_ks3_science)



**Bitesize**

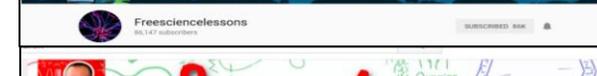
<https://www.bbc.com/bitesize/subjects/zng4d2p>

**KS3 Science**

<https://www.ks3sciencecourses.com/ks3-science-course-sections/>



<https://senecalarning.com/>



# Homework tasks

## CHALLENGE

### DEVELOPING

1.

Create a poster summarising today's lesson / the topic we have been studying recently

*Use any key terms you have learned, make it informative and eye catching.....*

2.

Research a scientist that links to the topic you are covering.

*Create a profile about your chosen scientist that includes interesting information about their discoveries.....*

3.

Produce 5 challenging quiz questions and answers about today's lesson to test a class mate

*Write the questions in your book with the correct answers.....*

4.

Identify key terms we have used in this topic and write a dictionary of terms

*Find out the definitions of key words, write them in your book whilst learning their spellings.....*

### SECURING

5.

Create a flow diagram, flow chart or comic strip to explain a new process we have learned

*Use pictures and key words to explain the process clearly.....*

6.

Create a revision factsheet summarising the lesson include additional research and facts, where possible.

*Use correct terminology and use the internet to include extra facts (do not copy & paste!).....*

7.

Produce 10 challenging quiz questions and answers about what you have covered so far in this topic

*Write the questions in your book with the correct answers.....*

8.

Write a poem or song describing a topic we have covered (could you perform it?)

*Incorporate key terms and science that have learnt, make it memorable .....*

### EXCEEDING

9.

Write a newspaper article relevant to the topic we are studying.

*Include specific facts with good use of SPaG. You could include quotes and images. Have a look at newspapers for ideas .....*

10.

Design an attention grabbing revision webpage that summarises the topic you are studying

*Be creative include factual info and links to other useful websites that may help with revision .....*

11.

Create a film or animation that explains a concept / process / feature found in the topic you are studying.

*Create a short film or animation explaining a particular part of the topic, that could be used for revision .....*

12.

Imagine you are going to teach the class part of the topic, come up with a starter activity for a lesson on that topic

*Create a recap task, game or warm up for the class that could start a lesson.....*

PROGRESS TIME LINE : Tally up loyalty to learning commendations

Autumn Term 1



Autumn Term 2



Spring Term 1



Spring Term 2



Summer Term 1



Summer Term 2



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# Year 8 SCIENCE: I am aiming to achieve a grade \_\_\_\_\_ by the end of year 8.

## Curriculum Timeline

<b>Term 1</b>	Expectations and targets	Food and nutrition	Combustion	Earth and Space	Unicellular organisms	Rocks
<b>Term 2</b>	Fluids	Plants and their reproduction	Periodic table	Light		
<b>Term 3</b>	Breathing respiration	Metals and their uses	Energy transfers	Feedback and projects		

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Christopher Thornton



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# Year 9 SCIENCE: I am aiming to achieve a grade \_\_\_\_\_ by the end of KS3.

## Curriculum Timeline

<b>Term 1</b>	Expectations and targets	Key concepts Biology	Atomic Structure	Periodic table	Motion
<b>Term 2</b>	Waves, Light and EM spectrum	Cells and control	Bonding	Genetics and variation	
<b>Term 3</b>	States of matter and separating mixtures	Forces and motion	Working scientifically focus		

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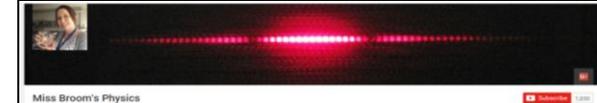
<https://senecalarning.com/>



Christopher Thornton



StudySmart: Science



Miss Broom's Physics



Science and Maths by Primrose Kitten

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