



# Science Overview

**Term:** Autumn  
**Year:** 7  
**Teacher:** Ms Fatima Mamache  
**Textbook title:** KS3 Science Activate Book 1



**What will we be covering this term?**

## 1<sup>st</sup> Half Term:

**Working scientifically: students will learn** how scientists develop an idea into a question that can be investigated. They should be able to identify independent, dependent, and control variables. They should be able to write a plan for an investigation. They should be able to describe how to make and record observations and measurements. They will also learn how to present data appropriately in tables and graphs. find a pattern in data using a graph or chart. Finally, they will learn how to interpret data to draw conclusions.

**Cells:** In this chapter, students will discover what plants and animals are made of. They will also meet tiny organisms that can only be seen under a microscope.

**Structure and function of body system:** In this chapter, students will explore how different structures work together to keep an organism alive.

## 2<sup>nd</sup> Half Term:

**Particles and their behaviour:** By end of this chapter, students will be able to describe what particles are and use a particle model to explain how particles make up substances.

There will be an end of term exam based on what students have covered this half-term.



## Teacher's Marking Key:

Mark code	Means .....
SP	Spelling error
//	New paragraph needed
Work underlined	Indicate a word or phrase does not make sense
?	Not clear. Rewrite this section again to improve the expression.
FS	Write in full sentences
EX	Develop your explanation further using scientific keywords.
D	You need to add more detail.
EBI	Even better if
www	What went well
GR	Grammar error
P	Punctuation error

### How will my child be assessed this term?

There will be at least 2 assessed pieces this term.

In more detail;

1<sup>st</sup> Assessment- *Baseline Assessment*

2<sup>nd</sup> Assessment- *Cell & Structure and function of body system*

At the end of the term there will summative exam that will test their knowledge for what they've covered during the course of the entire term.

### How can I help my child in this subject?

- Ensure homework is complete; you can track students' homework assignments at <https://www.showmyhomework.co.uk>
- Encouragement, praise, ensuring that they do their homework; and checking their student planner.
- Encouraging them to read around the subject.
- Their notes must be in order; discipline is essential.

### Resources

#### *Useful Websites*

For independent study the following websites are recommended:

- KS3 Biology: <http://www.bbc.co.uk/education/subjects/z4882hv>
- KS3 Chemistry: <http://www.bbc.co.uk/education/subjects/znxyrd>
- KS3 Physics: <http://www.bbc.co.uk/education/subjects/zh2xsbk>
- Link 4 science: <http://links4science.blogspot.co.uk/>



### **Communications**

**Who do I contact if I have concerns about my child's progress in this subject?**

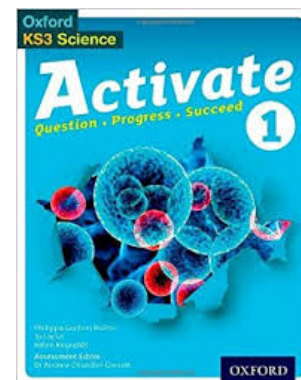
Please feel free to contact us at the school from 9.00-15:00 if you have any questions or concerns or contact me by email

[fatima.mamache@alkhairschool.org.uk](mailto:fatima.mamache@alkhairschool.org.uk).



# Science Overview

**Term:** Spring  
**Year:** 7  
**Teacher:** Ms Fatima Mamache  
**Textbook title:** KS3 Science Activate Book 1



## What will we be covering this term?

### 1<sup>st</sup> Half Term:

**Forces:** In this chapter, students will learn about the forces that keep them falling through the floor and allow astronauts to stand on the moon.

**Sound and Light:** They will learn about how they see, how light and sound waves behaves.

### 2<sup>nd</sup> Half Term:

**Elements, atoms and compounds:** In this chapter, students will learn about the atoms that make up everything on Earth and beyond.

**Reactions:** In this chapter, students will explore how chemical reaction make vital materials, and transfer energy for almost everything we do.

There will be an end of term exam based on what students have covered this half-term.

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### **How will my child be assessed this term?**

There will be at least 2 assessed pieces this term.

In more detail;

1<sup>st</sup> Assessment- Forces & *Sound* and Light

2<sup>nd</sup> Assessment- Elements, atoms and compounds

At the end of the term there will summative exam that will test their knowledge for what they've covered during the course of the entire term.

### **How can I help my child in this subject?**

- Ensure homework is complete; you can track students' homework assignments at <https://www.showmyhomework.co.uk>
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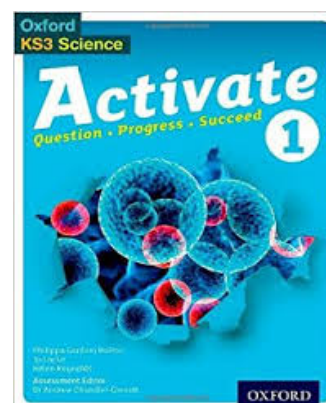
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# Science Overview

Term: Summer  
 Year: 7  
 Teacher: Ms Fatima Mamache  
 Textbook title: KS3 Science Activate Book 1



What will we be covering this term?

## 1<sup>st</sup> Half Term:

**Acids and alkalis:** Students will learn about acids and alkalis as classes of chemicals with distinct properties and uses. By the end of this unit they will be able to use indicators to classify solutions as acidic, alkaline or neutral.

**Space:** In this chapter, the students will learn about the place of the Earth in the Universe.

## 2<sup>nd</sup> Half Term:

**Plant Reproduction:** The students will discover how new plants are created through the process of reproduction.

There will be an end of term exam based on what students have covered this half-term.

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### **How will my child be assessed this term?**

There will be at least 2 assessed pieces this term.

In more detail;

1<sup>st</sup> Assessment- Acids and alkalis

2<sup>nd</sup> Assessment- Space & Plant Reproduction

At the end of the term there will summative exam that will test their knowledge for what they've covered during the course of the entire term.

### **How can I help my child in this subject?**

- Ensure homework is complete; you can track students' homework assignments at <https://www.showmyhomework.co.uk>
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### **Resources**

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