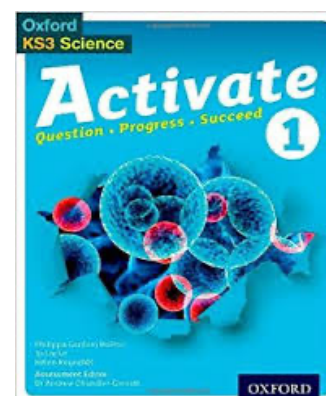




Science Overview

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



What will we be covering this term?

1st 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.

2nd Half Term:

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

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



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.

1st Assessment- Baseline Assessment

2nd 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/znxttyrd>
- 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?

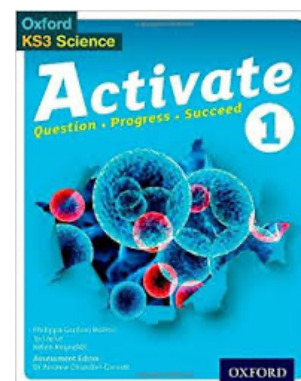
Please feel free to contact us at the school from 9.00-15:00 if you have any questions or concerns or contact me by email

fatima.mamache@alkhairschool.org.uk.



Science Overview

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



What will we be covering this term?

1st 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: By the end of this chapter, students will learn that sounds are made by vibrating objects. They will be able to describe how sound is produced and travels.

2nd Half Term:

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

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.

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;

1st Assessment- Forces & Sound

2nd Assessment- Reactions & Acids and alkalis

At the end of the term there will be a 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/znxttyrd>
- 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?

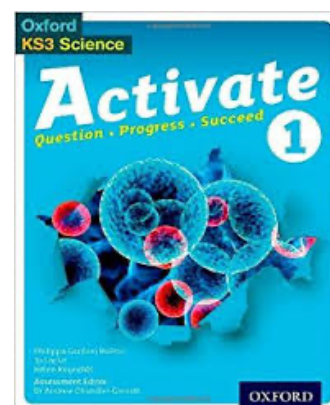
Please feel free to contact us at the school from 9.00-15:00 if you have any questions or concerns or contact me by email

fatima.mamache@alkhairschool.org.uk.



Science Overview

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



What will we be covering this term?

1st Half Term:

Light: In this chapter, students will be able to describe what happens when light interacts with materials.

Space: In this chapter, the students will learn about the place of the Earth in the Universe. They will be able to name the objects in the Solar System. They will be able to describe some similarities and differences between the planets of the Solar System.

2nd Half Term:

Studying disease: Students will be able to name a range of diseases spread by microbes and describe how they are spread and how the body defends itself. They will be also able to explain the role of vaccinations in fighting disease.

Reproduction: Students will learn the changes that take place at puberty and how they are controlled. They will also discover how new plants are created through the process of reproduction.

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;

1st Assessment- Light & Space

2nd Assessment- Studying disease & 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>
- 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/znxttyrd>
- 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.