ClickView

Aug. 2017

Monthly Curriculum Library PLUS Update

Contents

Biology	**In-Depth with Cells**	
	Cells and Their Organelles	4
	Cell Membranes and Simple Transport	5
	Types of Cells	5
	Stages of Meiosis	5
Chemistry	**Pure Substances and Mixtures**	
	Classification of Matter by Composition	6
	Classification of Mixtures	7
	Concentration of a Solution	7
	Different Kinds of Solutions	7
	Distillation	8
	Formation of a Solution	8
	Particles in Solids, Liquids, and Gases	8
	Solubility of Substances	9
English	**A Midsummer Night's Dream**	
	Comedic Techniques	10
	Context and Background	11
	The Characters of Helena, Puck, and Bottom	11
	Theme of Dreams	11
Mathematics	**Data Handling**	
	Quartiles and Interquartile Range: Frequency Data	12
	Quartiles and Interquartile Range: Raw Data	13
	Simple Random Sampling	13
	Stratified Sampling	13
	Geometry	
	Bearings: Scale Diagrams	14
	Bearings: The Rules	14
	Pythagoras' Theorem in 3 Dimensions	14
	Scale Factor Enlargement: Negative Values	15
	Scale Factor Enlargement: Positive Values	15

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	Numbers	
	Compound Measure: Distance, Speed, and Time	15
	Factors, Multiples, and Primes	16
	Product of Primes, HCF, and LCM	16
	Standard Index Form: Calculations	16
	Standard Index Form: The Basics	17
	Surds: Rationalising	17
	Surds: Rules and Simplifying	17
	Transformation of Graphs	
	Adding a Constant	18
	Multiplying by a Constant	18
	Negative: Reflections	18
Personal Dev. and Health	Molly: Innocent Name, Deadly Drug	19
	Ten Bad Things You Didn't Know about Smoking and Tobacco	20
	Toxic Life Cycle of a Cigrarette	20
Physics	**Refraction and Dispersion of Light**	
	Correction of Hypermetropia or Far-Sightedness	21
	Correction of Myopia or Short-Sightedness	22
	Defects of Vision: Myopia or Short-Sightedness	22
	Dispersion of Light through a Prism	22
	Effections of Refraction	23
	Image Formed by a Concave Lens	23
	Images Formed by a Convex Lens	23
	Power of Accommodation of the Human Eye	24
	Refraction of Light	24

Catalogue Key

min	Duration in minutes
AR	Additional Resources: Student activities and support notes to assist teachers
CC	Closed captions

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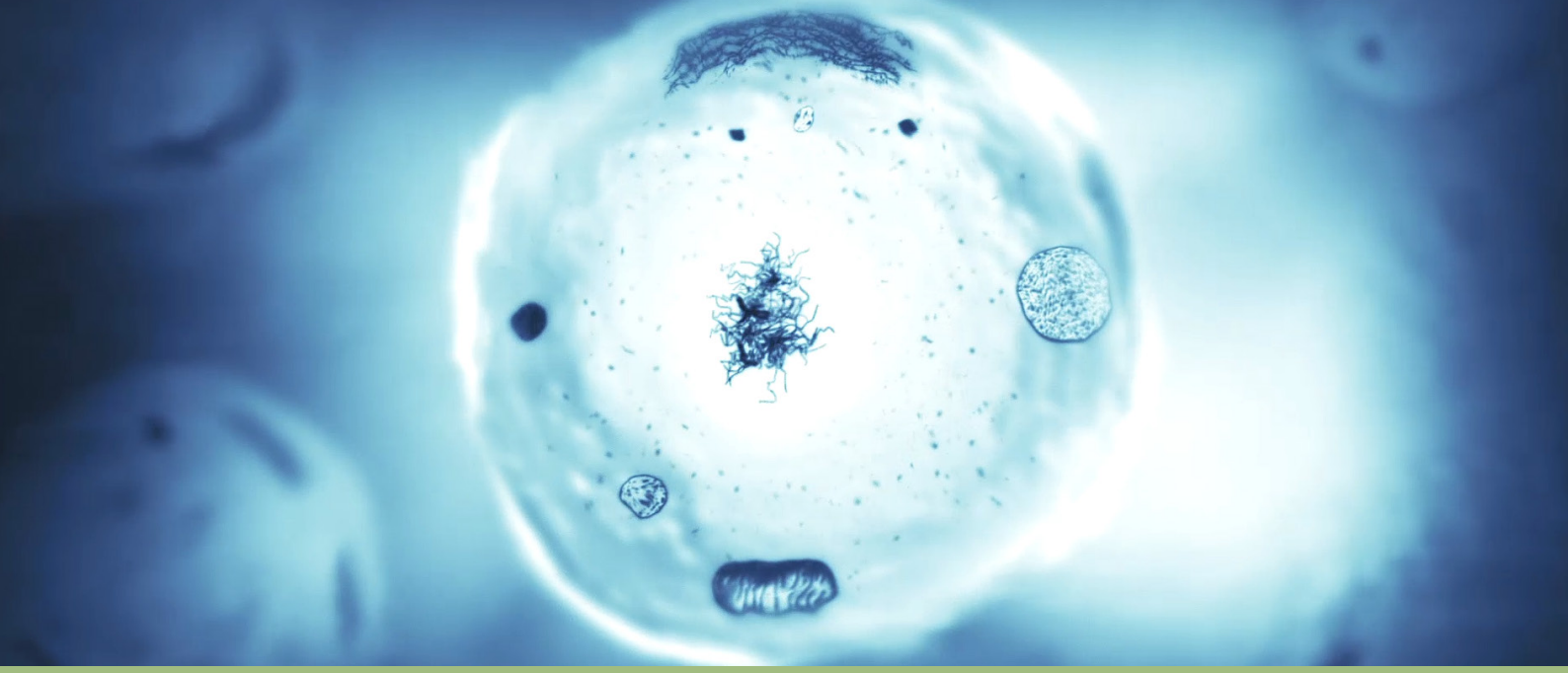
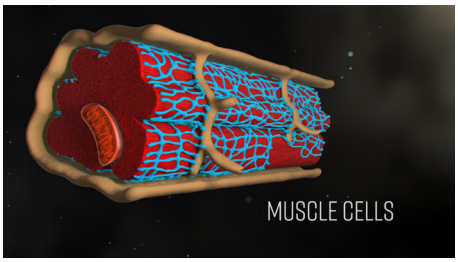
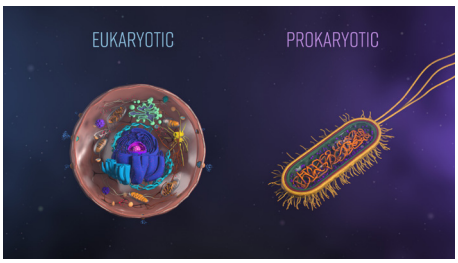
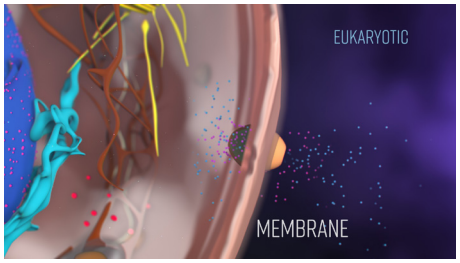


Biology

Stills from our new series

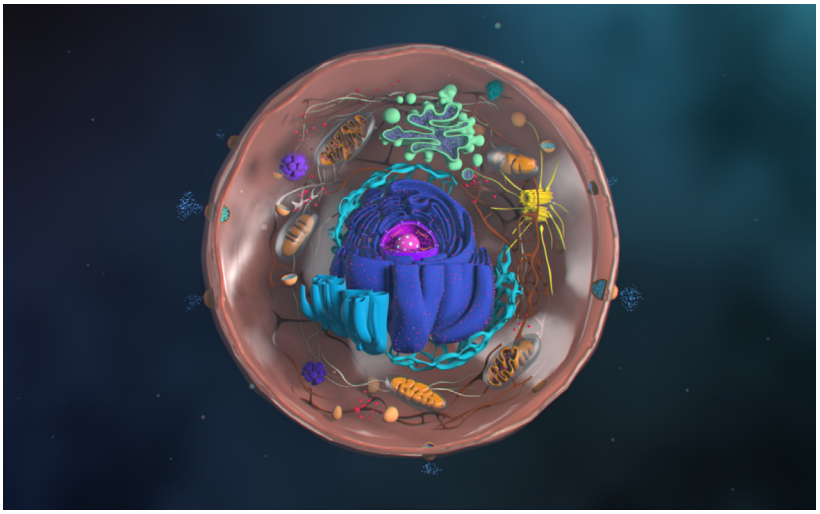






In-Depth with Cells

Cells are the basic units of structure and function in every living thing. This original ClickView series uses animation and engaging graphics to explore cell structure, the similarities and differences between types of cells, and how cells exchange certain materials with their environment.



2017 | 8 min | CC | AR

Cells and Their Organelles

Every cell contains unique structures, each with a specific function. This programme contains engaging visuals and addresses important curriculum content, exploring the structure of eukaryotic and prokaryotic cells. Students will learn about the structure and function of the: cell membrane, nucleus, cytoplasm, ribosomes, rough and smooth endoplasmic reticulum, Golgi complex, mitochondria, lysosomes, chloroplasts, cell walls, and vacuoles.

Mid Secondary

Additional Resources

- Comprehension Questions
- It's Just Like...a Prison Cell!
- Plant and Animal Cells Venn Diagram
- Suggested Responses
- Transcript

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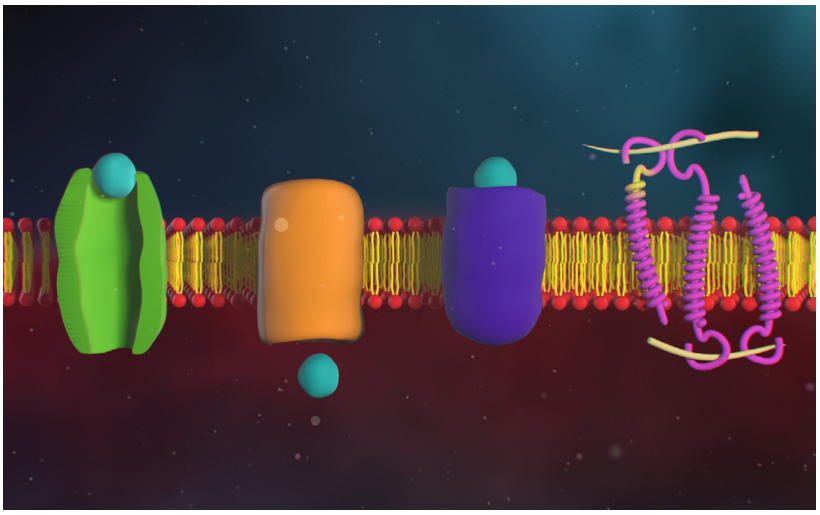


2017 | 8 min | CC | AR

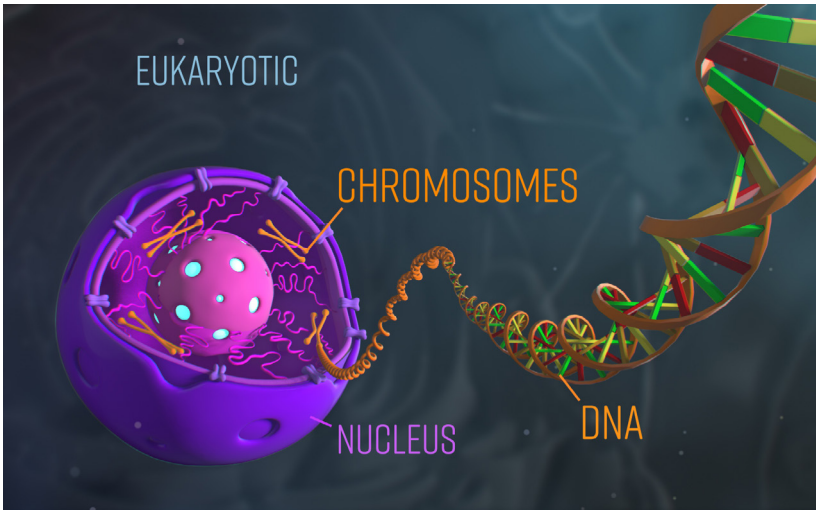
Cell Membranes and Simple Transport

In order for an organism to stay alive and function, its cells must be able to exchange certain materials with their environment. That means that within an organism's body, various molecules and compounds move into, and out of, all cells. This programme explores the ways in which every individual cell, in both eukaryotes and prokaryotes, controls which materials pass in, and out, by the action of its selectively permeable cell membrane.

Mid Secondary

Additional Resources

- Comprehension Questions
- An Active or Passive Diagram
- Osmosis Is Everywhere!
- Suggested Responses
- Transcript



2017 | 8 min | CC | AR

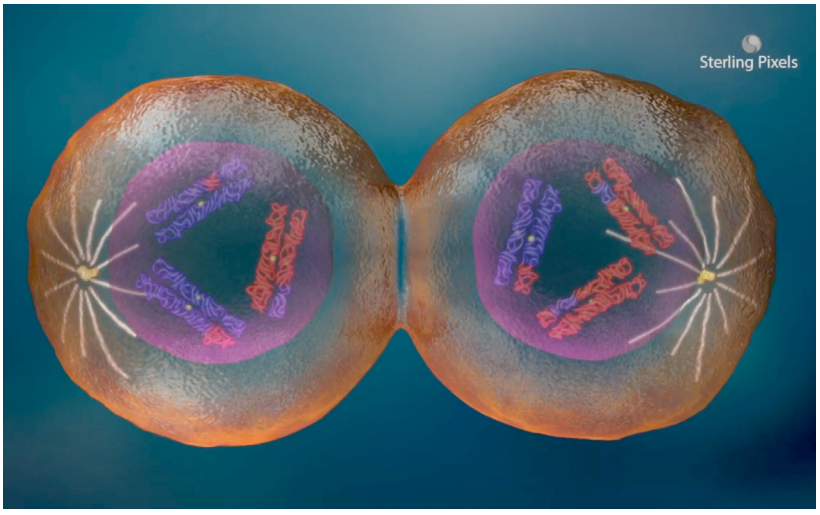
Types of Cells

Every living thing is made up of cells. The broadest classification of these cells is eukaryotic and prokaryotic. This programme contains engaging visuals and addresses important curriculum content, exploring the similarities and differences between eukaryotic and prokaryotic cells. It is an excellent resource for students studying Science or Biology.

Mid Secondary

Additional Resources

- Comprehension Questions
- Cell Bingo
- Label the Diagrams
- Suggested Responses
- Transcript



2014 | 13 min | CC | AR

Stages of Meiosis

From prophase to telophase, the stages of meiosis I and meiosis II lead to the creation of new cells. From this video, students will learn about what occurs throughout each stage of the meiosis process.

Snr Secondary

Additional Resources

- Teacher Notes

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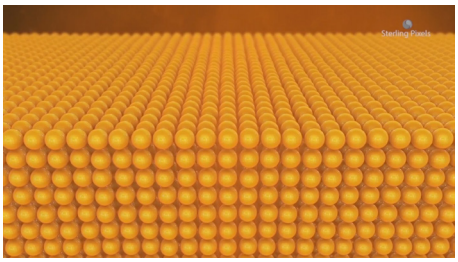
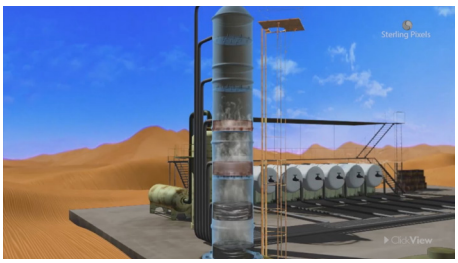
Chemistry

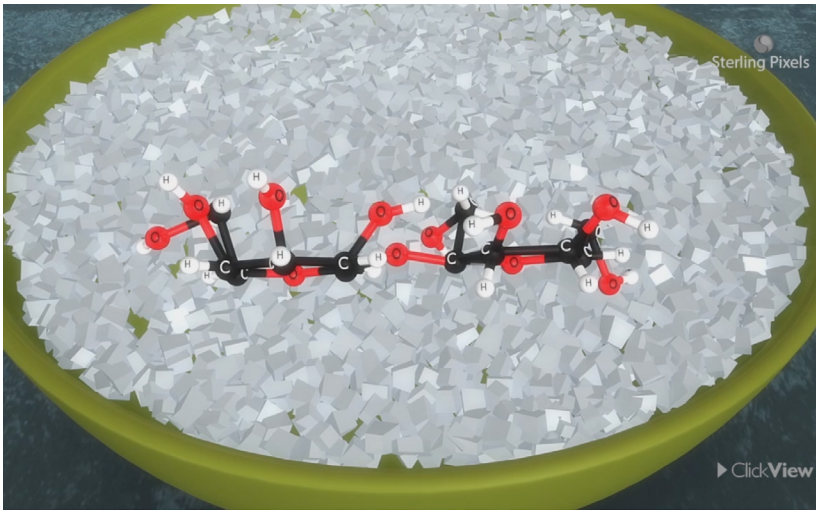
Stills from our new series





Pure Substances and Mixtures

This animated series looks the diffences between pure substances and mixtures, with particular focus on solutions. Students will learn about how solutions are formed, classified, and separated.



2015 | 6 min | CC | AR

Classification of Matter by Composition

How is matter defined? In this video, students will learn to classify and define matter, and differentiate between pure substances and mixtures.

Jnr Secondary

Additional Resources

- Teacher Notes

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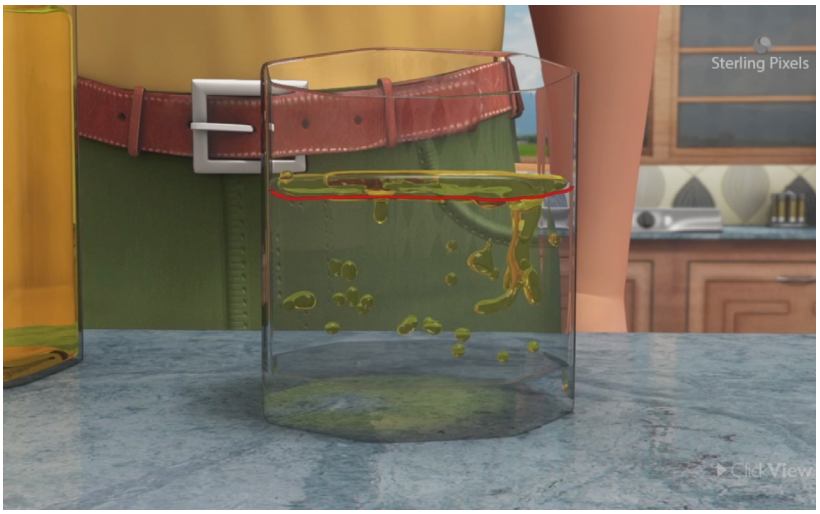


Classification of Mixtures

Mixtures can be classified in two ways; solutions and mechanical mixtures. This video will teach students how to identify mixtures and classify them as either homogeneous or heterogeneous.

Jnr Secondary

Additional Resources

- Teacher Notes

2015 | 5 min | CC | AR

Concentration of a Solution

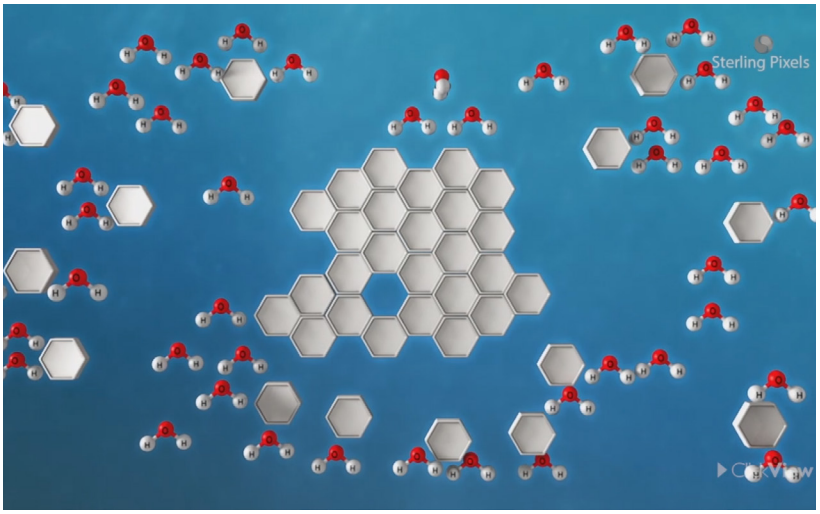
What makes a solution concentrated? This video will definite concentration, and teach students how to calculate and change the concentration of a solution.

Jnr Secondary

Additional Resources

- Teacher Notes

2015 | 5 min | CC | AR



Different Kinds of Solutions

Solutions contains various kinds of solutes and solvents, many of which are present in our daily lives. This video will assist students in identifying the components of a solution, as well as defining colloids and suspensions.

Jnr Secondary

Additional Resources

- Teacher Notes

2015 | 7 min | CC | AR

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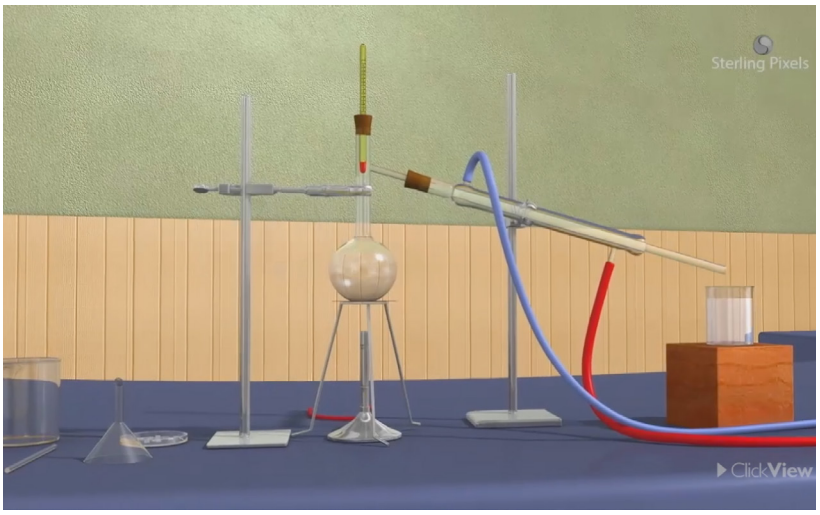


Distillation

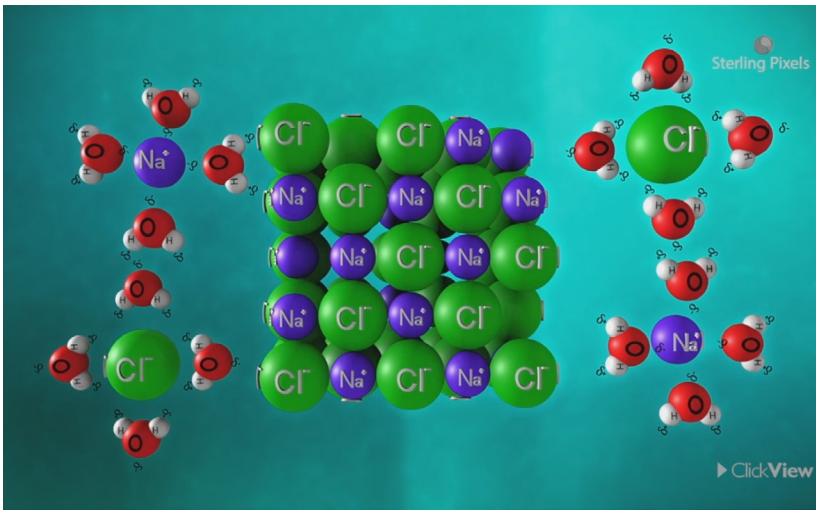
One of most common methods to separate solutions is distillation. This video provides a step-by-step demonstration on the process on distillation, and how the method is applied on an industrial scale.

Jnr Secondary

Additional Resources

- Teacher Notes

2015 | 5 min | CC | AR



Formation of a Solution

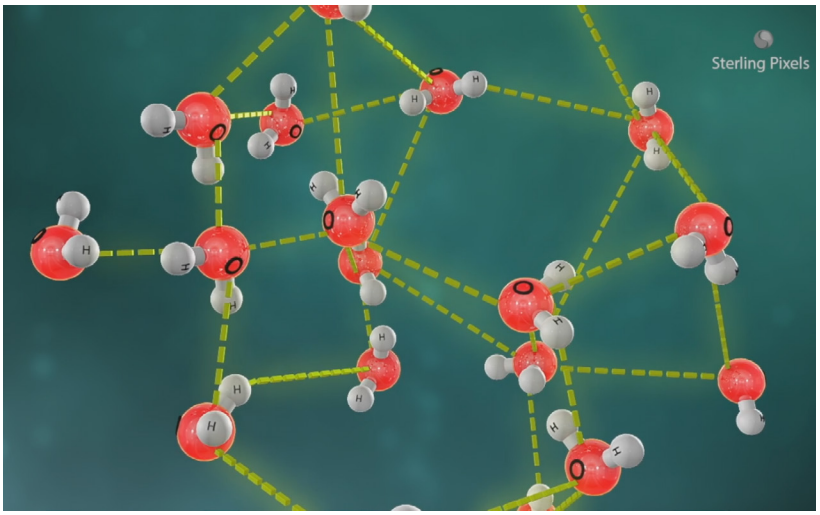
What components form solutions? This video will assist students in learning about the solutes and solvents in various solutions, and how they react with each other to form a solution.

Jnr Secondary

Additional Resources

- Teacher Notes

2015 | 6 min | CC | AR



Particles in Solids, Liquids, and Gases

Learn about the characteristics of particles in solids, liquids, and gases. Students will learn about the effect temperature has on how particles act within each of the states of matter.

Jnr Secondary

Additional Resources

- Teacher Notes

2015 | 15 min | CC | AR

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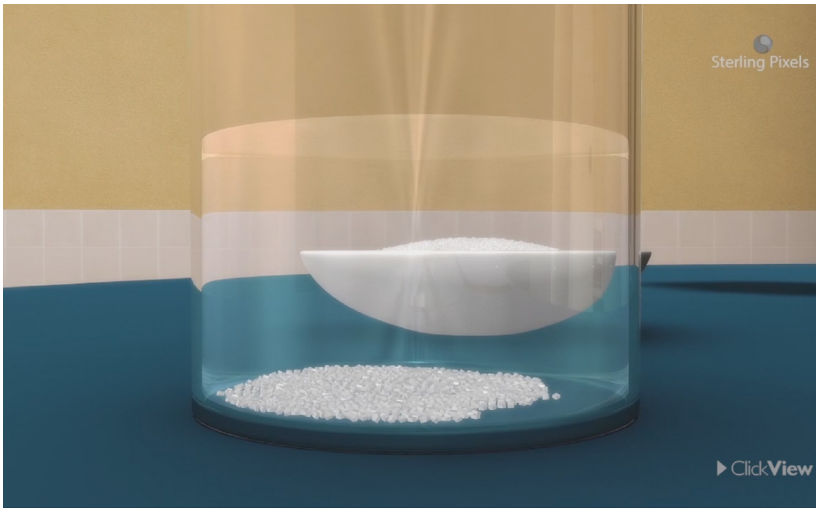

2015 | 7 min | CC | AR

Solubility of Substances

How does temperature and pressure affect solutes? These are just a few factors that influence the solubility of substances, whether gaseous or solid. This video will assist students in defining, explaining, and describing solubility of substances.

Jnr Secondary

Additional Resources

- Teacher Notes

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English

Stills from our new series

A Midsummer Night's Dream

'A Midsummer Night's Dream' is among Shakespeare's most popular works. This four-programme series, set in a techno-dreamscape, gives students of English and Literature an exciting insight into its context and background, characters, theme of dreams, and comedic techniques.

2017 | 8 min | CC | AR

Comedic Techniques

Shakespeare's classic, immortal comedy has all the ingredients – love stories, tricks and pranks, disguise and mistaken identity, muddle and misunderstanding. This programme deconstructs 'A Midsummer Night's Dream' in an engaging and playful way, using dialogue between some of its characters to explore its comedic elements. It is an ideal resource for students of English and Literature.

Jnr Secondary

Additional Resources

- Comprehension Questions
- Making Mischief
- Your Version
- Suggested Responses
- Transcript

© 2017 ClickView Pty Limited

2017 | 6 min | CC | AR

Context and Background

Understanding the context and background of 'A Midsummer Night's Dream' is critical to appreciating the techniques Shakespeare employed when creating this comedic literary classic. This programme deconstructs the play in an engaging and playful way, using dialogue between some of its key characters to investigate its context and background. It is an ideal resource for students of English and Literature.

Jnr Secondary

Additional Resources

- Comprehension Questions
- Dream Designs
- Design Your Own Dreams
- Suggested Responses
- Transcript

2017 | 9 min | CC | AR

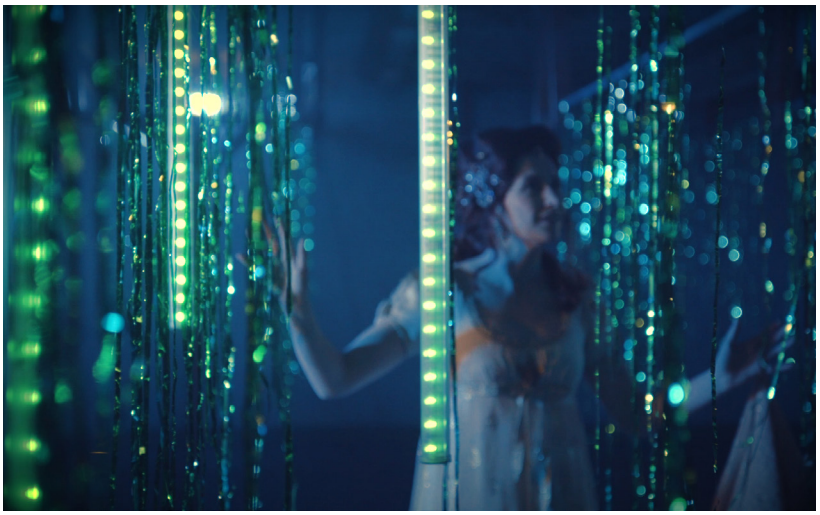
The Characters of Helena, Puck, and Bottom

Shakespeare develops a broad range of memorable and contrasting characters from ancient Athens in 'A Midsummer Night's Dream': royalty, nobility, lowly craftsmen – and fairies. This programme deconstructs the comedy in an engaging way using dialogue to examine some of its key characters, including Titania, Demetrius, Helena, Puck, Lysander, Hermia, and Bottom. It is an ideal resource for students of English and Literature.

Jnr Secondary

Additional Resources

- Comprehension Questions
- Comic Character File: A Character Study
- Hermia and Helena: Friends or Enemies?
- Suggested Responses
- Transcript



2017 | 7 min | CC | AR

Theme of Dreams

'A Midsummer Night's Dream' explores dreams and imagination – the blurred lines between dreams and waking, what is real and what is not, what is reasonable…and what is not. This clip deconstructs 'A Midsummer Night's Dream' in an engaging and playful way, using dialogue between some of its key characters to observe the nature of dreams. It is an ideal resource for students of English and Literature.

Jnr Secondary

Additional Resources

- Comprehension Questions
- Create Your Own Dreamscape
- Live the Dream: Becoming the Characters
- Suggested Responses
- Transcript

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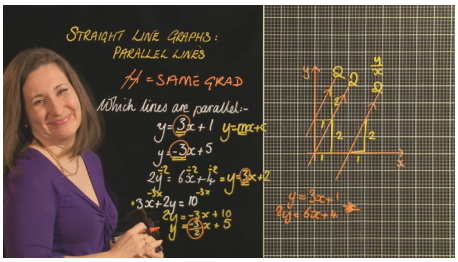
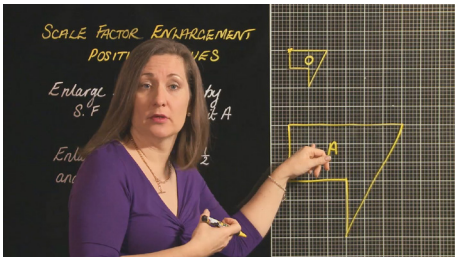
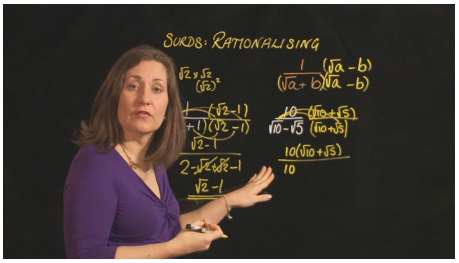
Mathematics

Stills from our new series

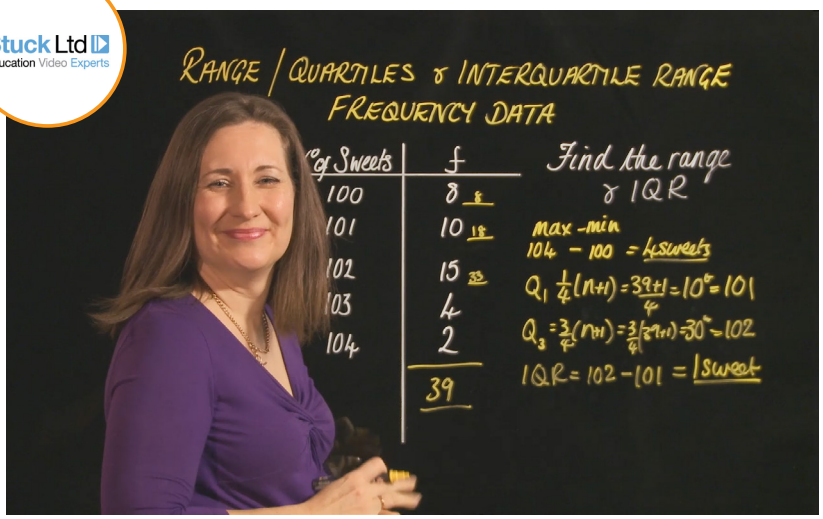






Data Handling

This series introduces students to the important concepts when examining large amounts of data. An experienced teacher introduces several definitions, quartiles, interquartile range, and sampling.



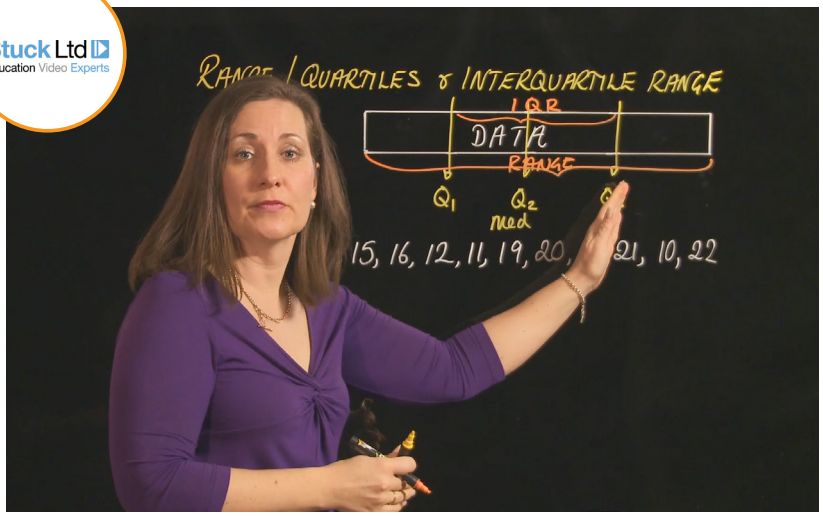
Quartiles and Interquartile Range: Frequency Data

This programme furthers students knowledge of range and interquartile range by showing them how to apply it to frequency data, and how to find the interquartile range using a graph plotted from a frequency table.

Mid Secondary – Snr Secondary

2013 | 8 min | CC

© 2017 ClickView Pty Limited

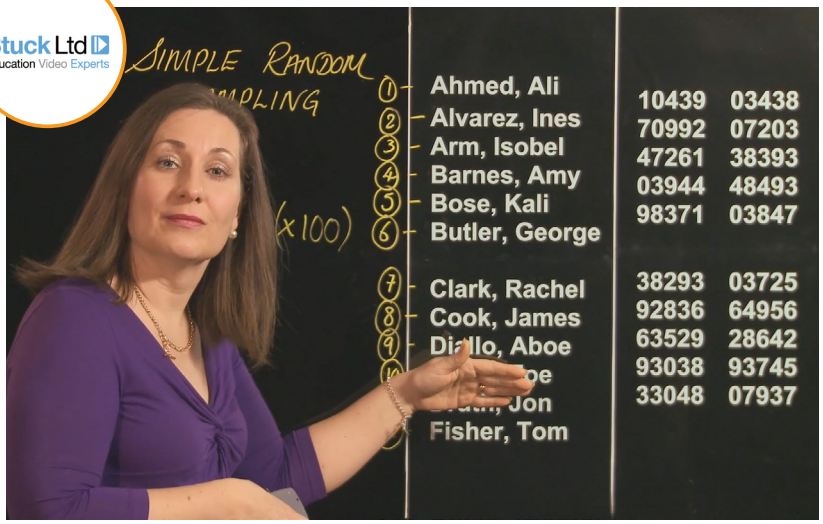


Quartiles and Interquartile Range: Raw Data

This video introduces students to the concept of quartiles, what an interquartile range is, and how to find the median using it.

Mid Secondary – Snr Secondary

2013 | 6 min | CC



Simple Random Sampling

This video shows students the different methods of simple random sampling which include pulling the names out of the hat, using the Ran# button on a calculator, and a random number table.

Mid Secondary – Snr Secondary

2013 | 4 min | CC

Stratified Sampling

This video explains to students what stratified sampling is, and demonstrates how to take a stratified sample of a population.

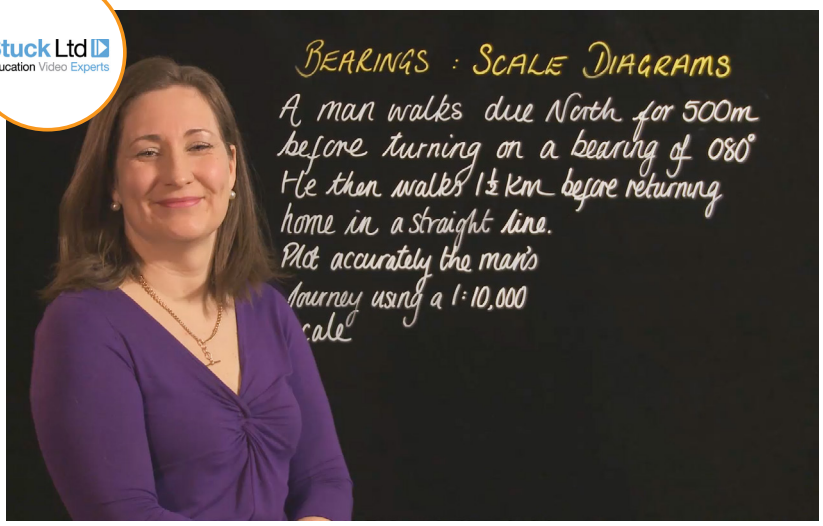
Mid Secondary – Snr Secondary

2013 | 4 min | CC

© 2017 ClickView Pty Limited

Geometry

Ideal for student revision, this series presented by an experience mathematics teacher, introduces students to common geometric concepts.

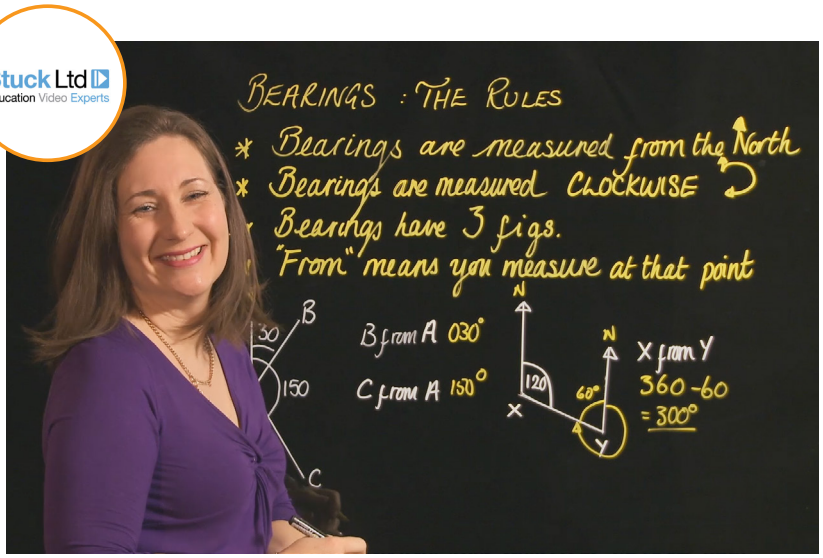


Bearings: Scale Diagrams

Following on from 'Bearings: The Rules', this video applies the knowledge students have learnt about bearings to scale diagrams using practical questions.

Mid Secondary – Snr Secondary

2013 | 6 min | CC

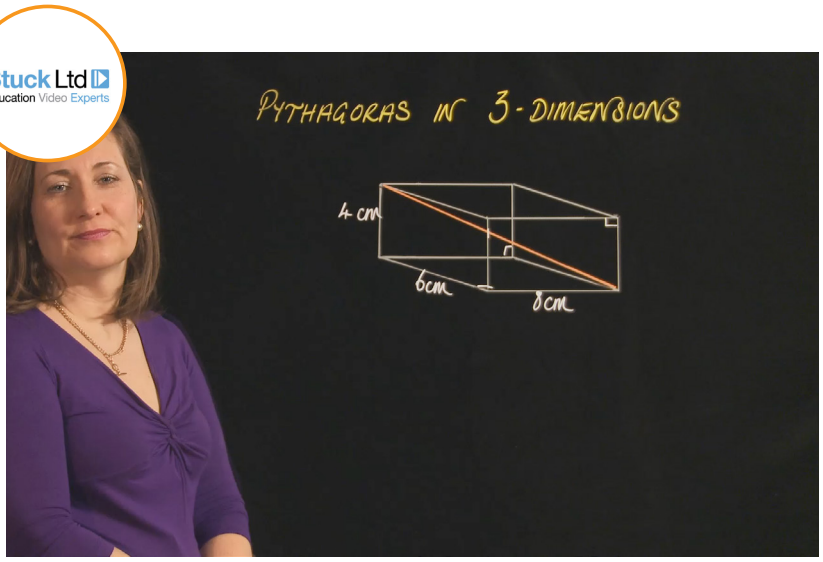


Bearings: The Rules

This programme introduces students to bearings and the rules involved in their use. The topic is explained using an obtuse angle, angles on parallel lines, and a triangle.

Mid Secondary – Snr Secondary

2013 | 6 min | CC



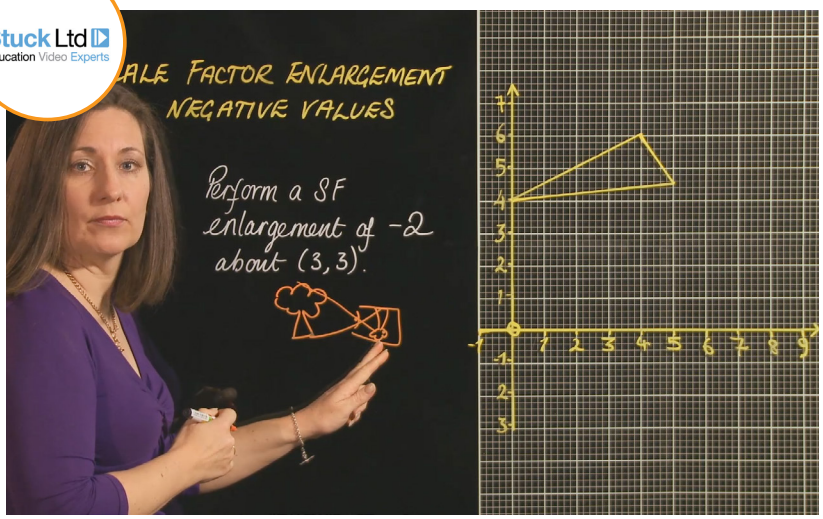
Pythagoras' Theorem in 3 Dimensions

This programme shows students how to apply Pythagoras' theorem to find the length of internal diagonals in three dimensional shapes.

Mid Secondary – Snr Secondary

2013 | 4 min | CC

© 2017 ClickView Pty Limited

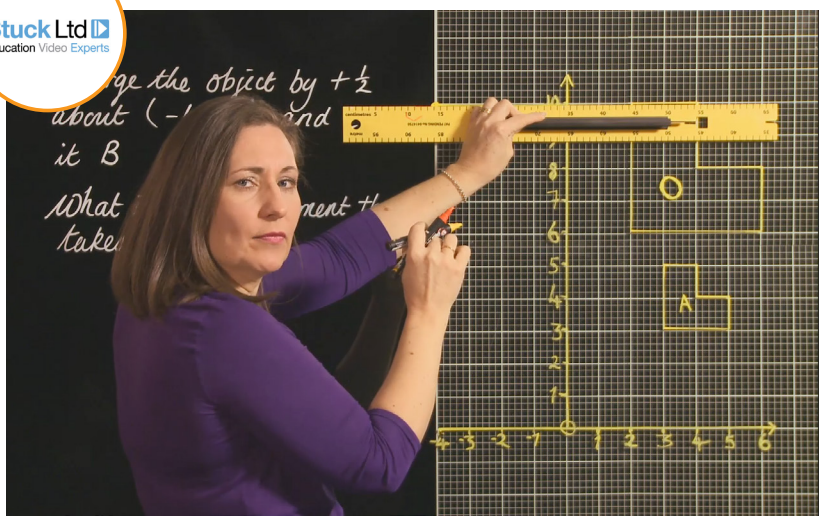


Scale Factor Enlargement: Negative Values

This programme shows students how to enlarge or reduce the scale factor of a shape by a negative value and plot it on a graph.

Mid Secondary – Snr Secondary

2013 | 8 min | CC



Scale Factor Enlargement: Positive Values

This programme shows students how to enlarge or reduce shapes in size and plot these shapes on graphs using coordinates.

Mid Secondary – Snr Secondary

2013 | 11 min | CC

Numbers

These math tutorials presented by an experienced mathematics teacher, can be used to introduce or reinforce key mathematical topics, including standard notation and irrational numbers.

Compound Measure: Distance, Speed, and Time

A compound measure is a measurement that includes more than one measurement. This video looks at distance, speed, and time and how speed equals distance over time.

Mid Secondary – Snr Secondary

2013 | 5 min | CC

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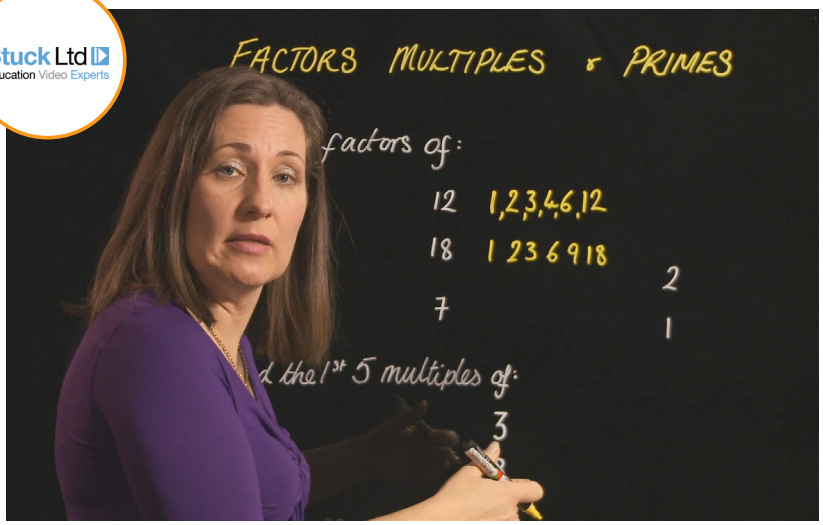
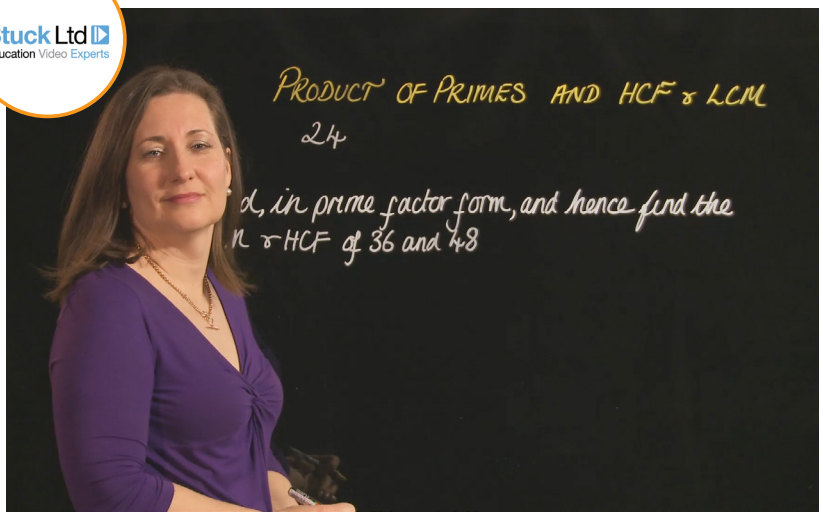


2013 | 7 min | CC

Factors, Multiples, and Primes

In this video the teacher demonstrates how to find the factors and multiples of numbers. The concept of prime numbers is also explained.

Mid Secondary – Snr Secondary

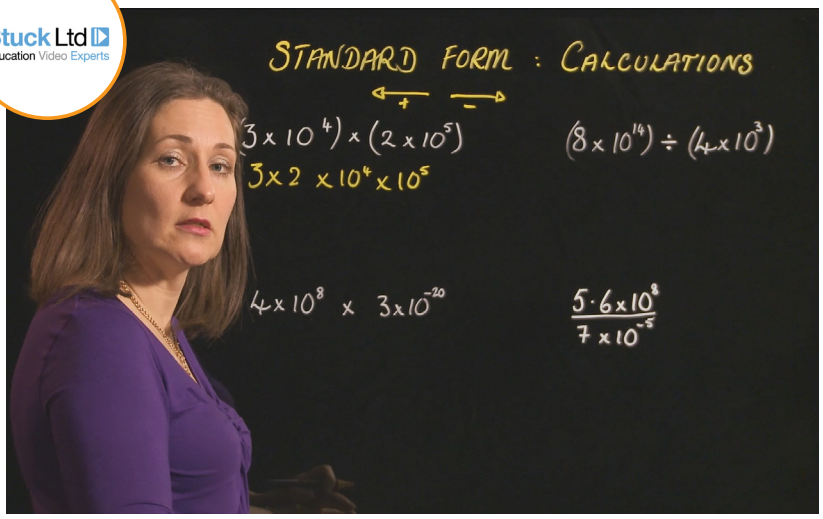


2013 | 6 min | CC

Product of Primes, HCF, and LCM

This programme shows students how to find the product of prime numbers, as well as the HCF and LCM by using prime factors.

Mid Secondary – Snr Secondary



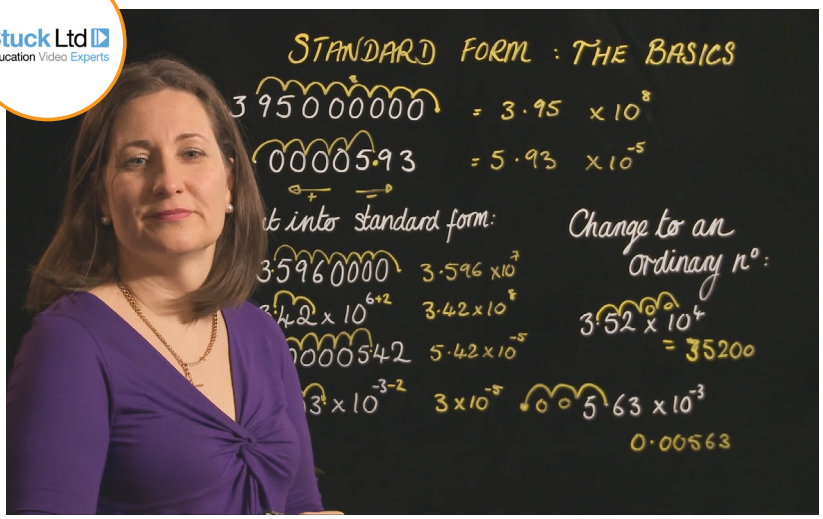
2013 | 3 min | CC

Standard Index Form: Calculations

Continuing on from 'Standard Form: The Basics', this video uses standard form in calculations involving multiplication and division.

Mid Secondary – Snr Secondary

© 2017 ClickView Pty Limited



Standard Index Form: The Basics

Through this video, students come to understand standard form and its use of positive and negative indices.

Mid Secondary – Snr Secondary

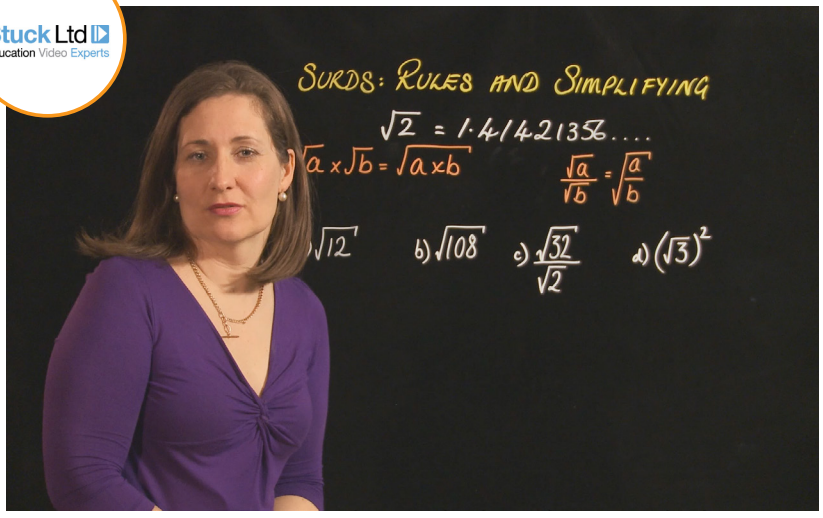
2013 | 5 min | CC

Surds: Rationalising

Rationalising surds means to remove the root from the denominator of a fraction. This video shows students how to rationalise surds through a variety of questions.

Mid Secondary – Snr Secondary

2013 | 6 min | CC



Surds: Rules and Simplifying

In this programme, students are able to learn about how to simplify surds when multiplying, dividing, adding or subtracting them and the rules that accompany them.

Mid Secondary – Snr Secondary

2013 | 6 min | CC

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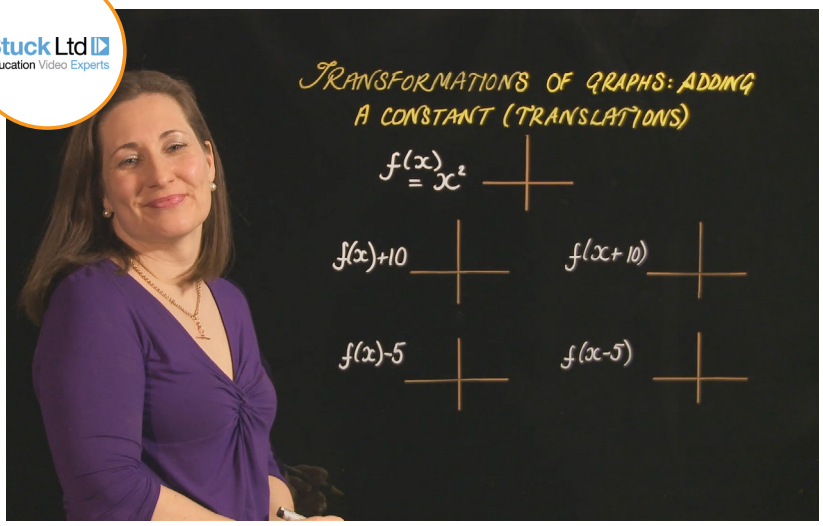
Transformation of Graphs

These easy to follow mathematics tutorials illustrate to students how any graph can be transformed through the use of a constant.

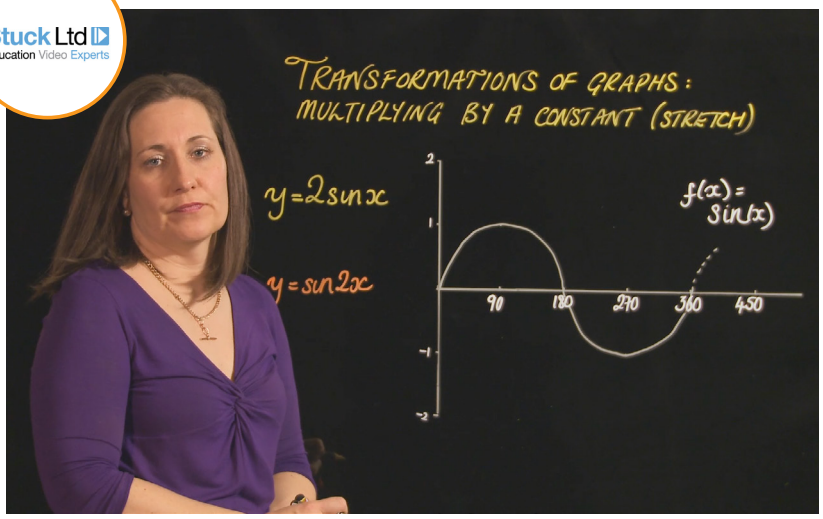


Adding a Constant

This video shows students what adding a constant does to a graph. It shows the result of adding a positive or negative constant inside or outside the brackets of a parabola or cubic graph.

Mid Secondary – Snr Secondary

2013 | 6 min | CC

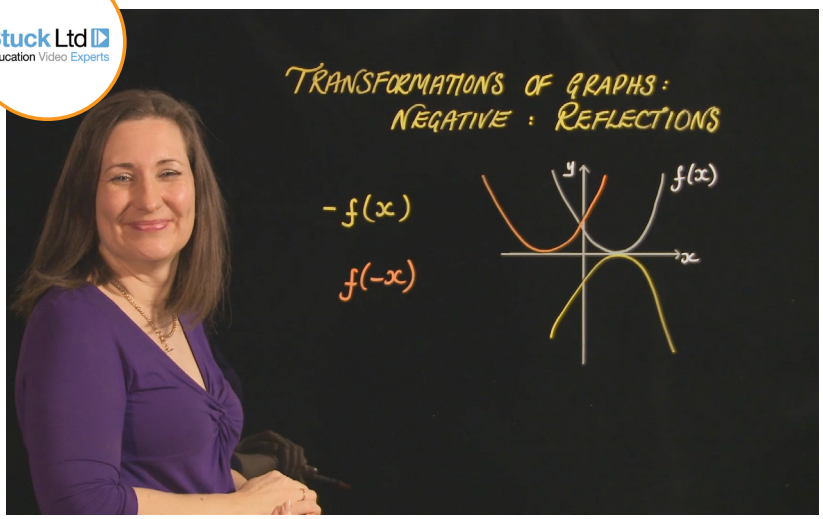


Multiplying by a Constant

This video shows students what multiplying an equation with a constant does to a graph, whether it is inside or outside the function brackets.

Mid Secondary – Snr Secondary

2013 | 7 min | CC



Negative: Reflections

This programme informs students of how a negative number can transform a graph depending on whether it is -f(x) or f(-x).

Mid Secondary – Snr Secondary

2013 | 3 min | CC

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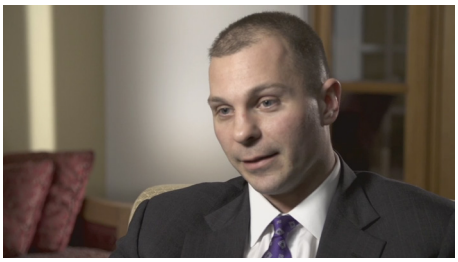
Personal Dev. and Health

Stills from our new titles



HUMAN RELATIONS MEDIA

Molly: Innocent Drug, Deadly Drug

Molly, a pure form of ecstasy or MDMA, is the new, hot drug of choice for many young people who falsely believe the drug is safe. Often handed out at raves and cut with a variety of dangerous substances, molly is exposed as the grave danger that it really is. Interviews with former molly users and drug abuse experts drive home the message that taking molly is playing Russian roulette with your life.

Jnr Secondary – Snr Secondary

Additional Resources

- Teacher Notes

2014 | 17 min | CC | AR

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Ten Bad Things You Didn't Know about Smoking and Tobacco

Kids know that tobacco use is harmful to their health, but they are stuck in the mindset that nothing bad will happen to them. This programme offers teens ten reasons to change that dangerous mindset.

Jnr Secondary – Snr Secondary

Additional Resources

- Teacher Notes

2015 | 17 min | CC | AR

Toxic Life Cycle of a Cigarette

Most people know that smoking is bad for your health, but there are lesser known consequences of smoking that are just as lethal. In this programme students hear from teenage farm workers who describe being exposed to harmful pesticides and nicotine poisoning. Students will also learn about dangers of secondhand smoke, toxic residue, and how cigarettes contribute to pollution.

Jnr Secondary – Snr Secondary

Additional Resources

- Teacher Notes

2015 | 18 min | CC | AR

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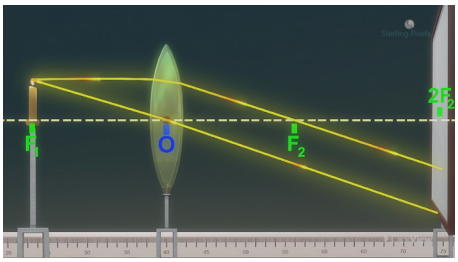
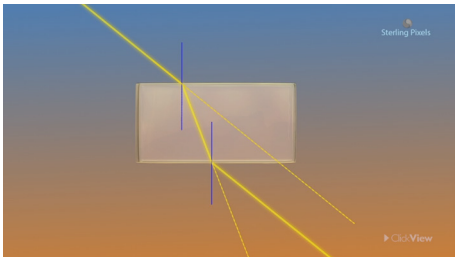
Physics

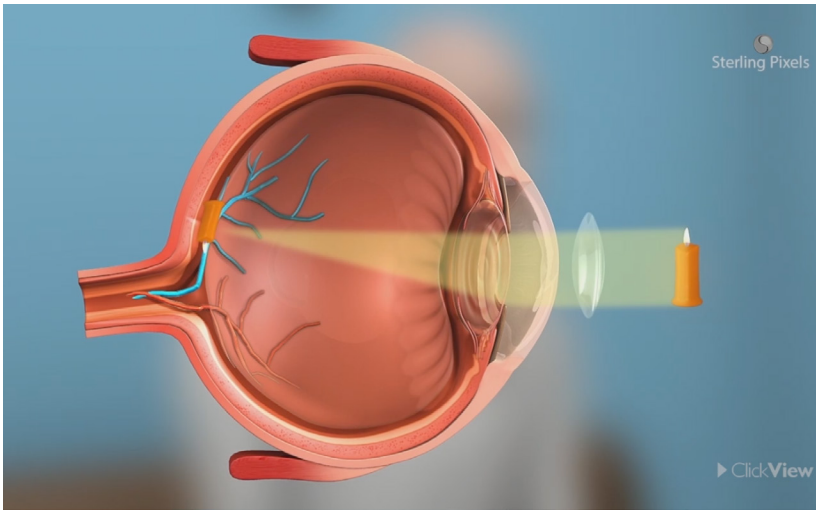
Stills from our new series





Refraction and Dispersion of Light

This series looks at the way light behaves when passing through different mediums. It address how light is refracted and dispersed, as well as how different lenses can be used to focus light in different ways.



2015 | 6 min | CC | AR

Correction of Hypermetropia or Far-Sightedness

This video will assist students learning about the anatomy of the eye as well as understanding how hypermetropia, or far-sightedness, is corrected through the use of a convex lens.

Mid Secondary

Additional Resources

- Teacher Notes

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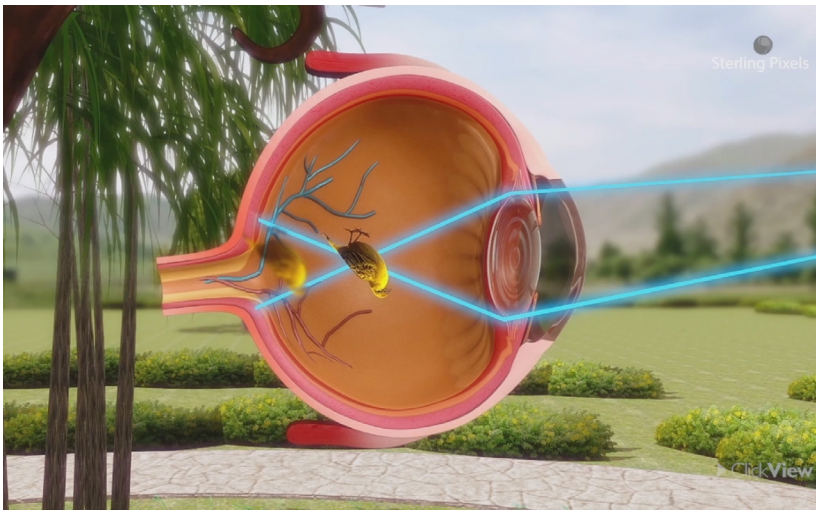


Correction of Myopia or Short-Sightedness

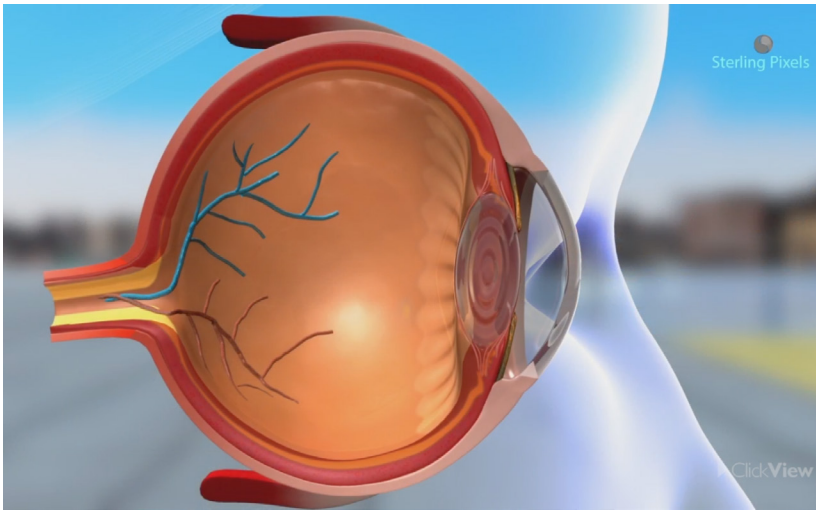
In this video, students will learn how myopia, or short-sightedness, is corrected using a diverging or concave lens.

Mid Secondary

Additional Resources

- Teacher Notes

2014 | 5 min | CC | AR



Defects of Vision: Myopia or Short-Sightedness

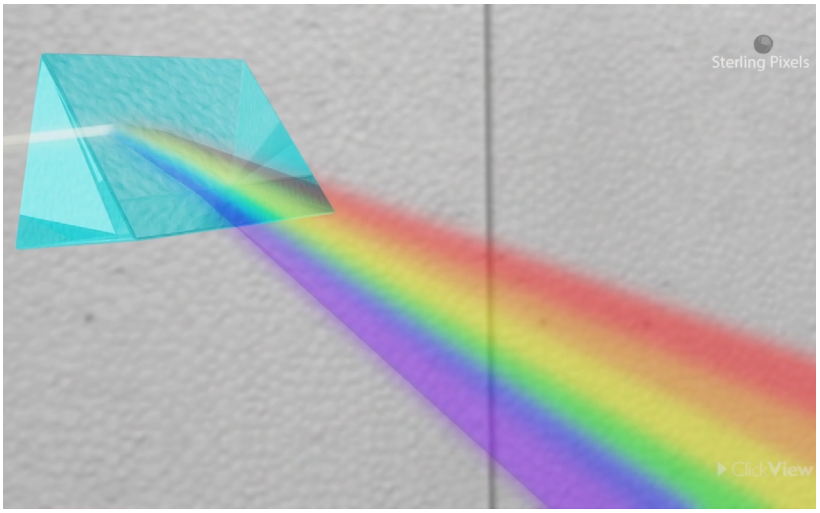
The human eye is subjected to various defects, one of which is myopia. In this video, students will learn to identify and describe myopia or short-sightedness.

Mid Secondary

Additional Resources

- Teacher Notes

2014 | 3 min | CC | AR



Dispersion of Light through a Prism

Where does a rainbow get its colours from? The answer is from dispersion of light. Students will learn about the relationship between colour and light, and what happens when light is shone through a prism.

Mid Secondary

Additional Resources

- Teacher Notes

2014 | 4 min | CC | AR

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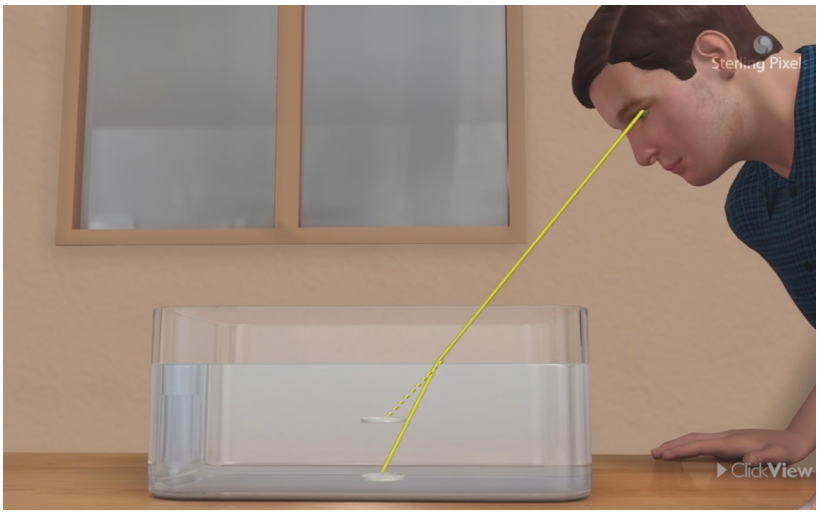


Effects of Refraction

This video demonstrates what happens when rays of light are refracted. Students will observe and understand the effects of refraction, through a demonstration using water.

Mid Secondary

Additional Resources

- Teacher Notes

2014 | 3 min | CC | AR

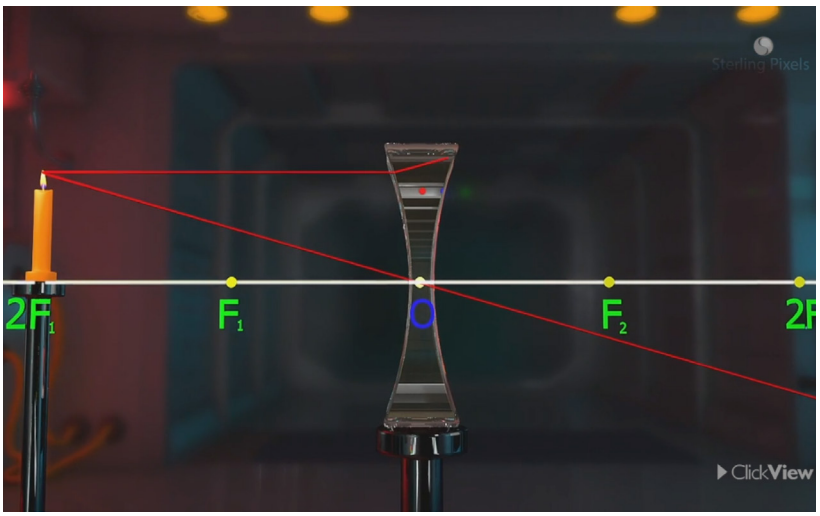


Image Formed by a Concave Lens

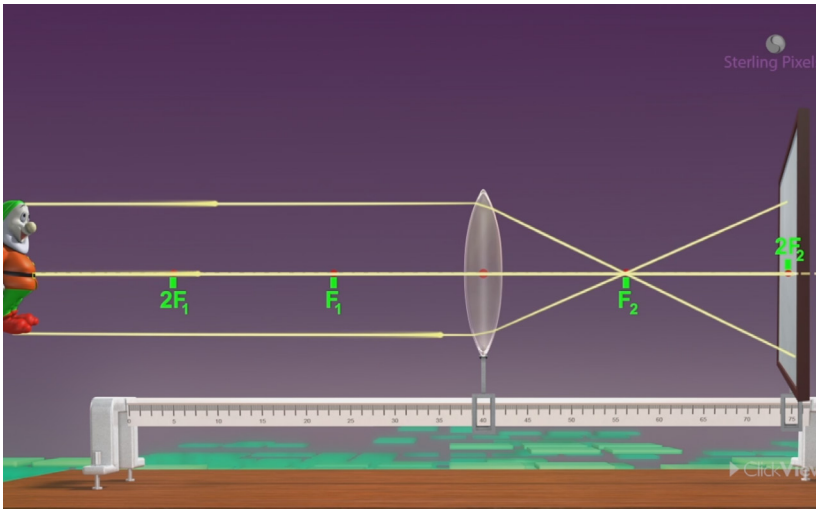
What image is formed by a concave lens? This video will explain that the size, the position, and the nature of the image formed by a concave lens does not change even when the object is at different positions.

Mid Secondary

Additional Resources

- Teacher Notes

2014 | 3 min | CC | AR



Images Formed by a Convex Lens

In this in-depth video, students will learn about size, the position, and the nature of the image, which depends upon the distance of the object from the convex lens.

Mid Secondary

Additional Resources

- Teacher Notes

2014 | 14 min | CC | AR

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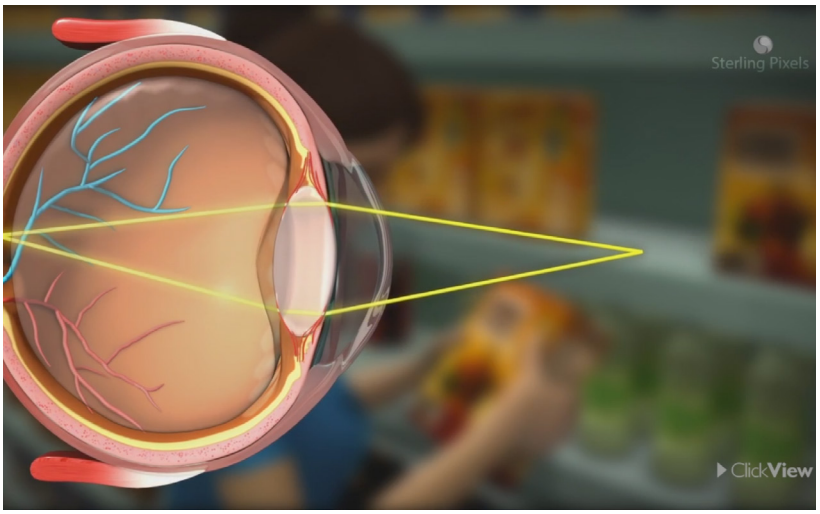


2014 | 3 min | CC | AR

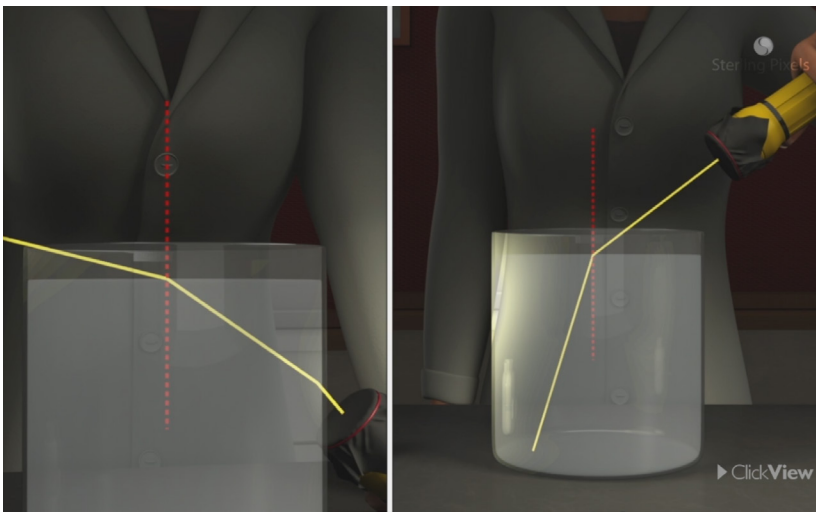
Power of Accommodation of the Human Eye

How does the human eye accommodate for what it is looking at? Students will find out how the eye adjusts its focal length to see objects of various sizes at different distances.

Mid Secondary

Additional Resources

- Teacher Notes



2014 | 8 min | CC | AR

Refraction of Light

How does light get refracted? This video will engage students in learning about properties the light and its interaction with different kinds of media.

Mid Secondary

Additional Resources

- Teacher Notes

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