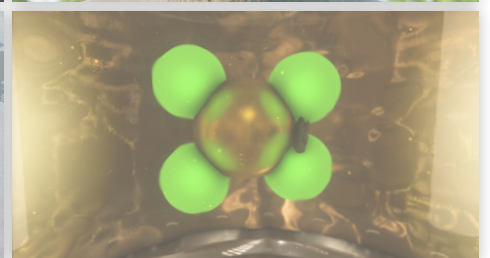
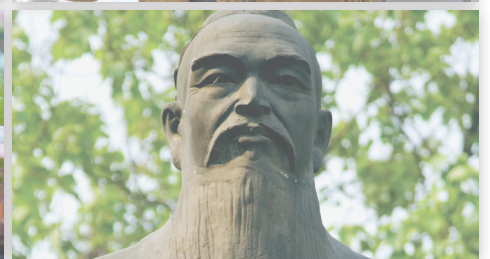
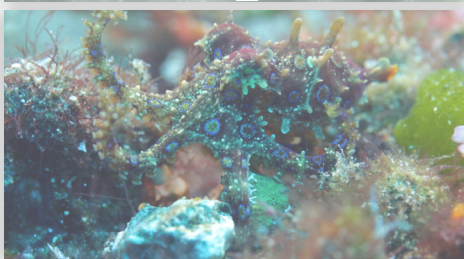
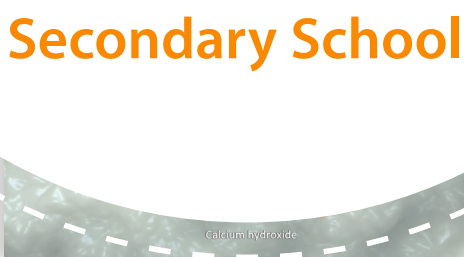
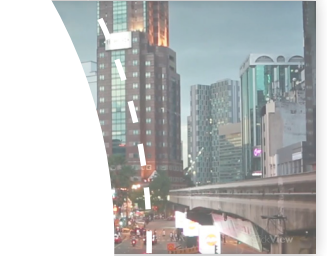


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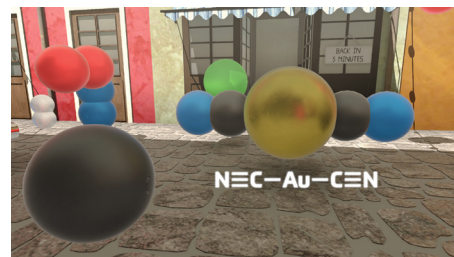
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Catalogue Key

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

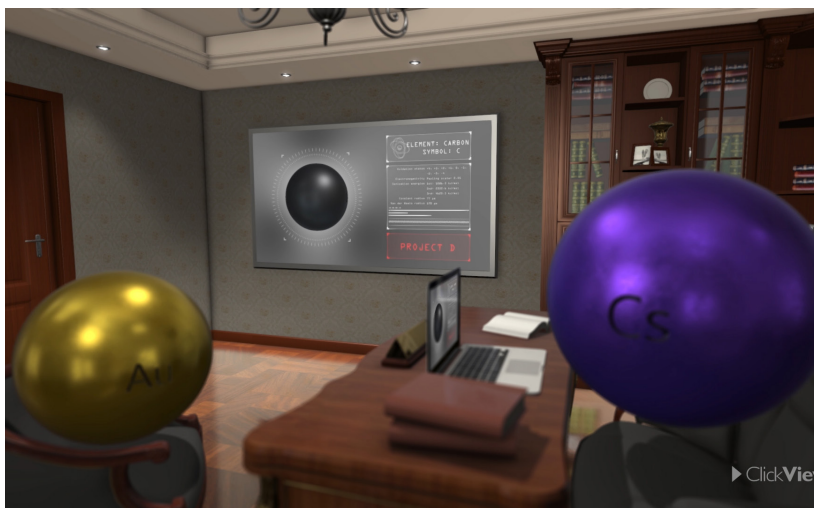
Chemistry

Stills from our new series



Atom Bond

Shrouded in the mysterious world of espionage, Agent Gold is on a mission exploring the complex world of chemical bonds. This engaging animated programme takes a comprehensive look at covalent, ionic, and metallic bonding.



Episode 1: The Atom with the Golden Electron

Agent Gold is assigned to investigate Project D, headed by Carbon who has trained millions of other atoms to develop this secret plan. Together with Oxygen and Fluorine, Gold penetrates Carbon's secret school and finds atoms being drilled about bonding – vital information for Project D. Gold thinks it's time to meet the Queen of the Bleach, Chlorine, but the others are not so sure.

Key Stage 4

Additional Resources

- Comprehension Questions
- Transcript
- Properties of Diamonds
- Suggested Responses

2017 | 11 min | CC | AR



2017 | 7 min | CC | AR

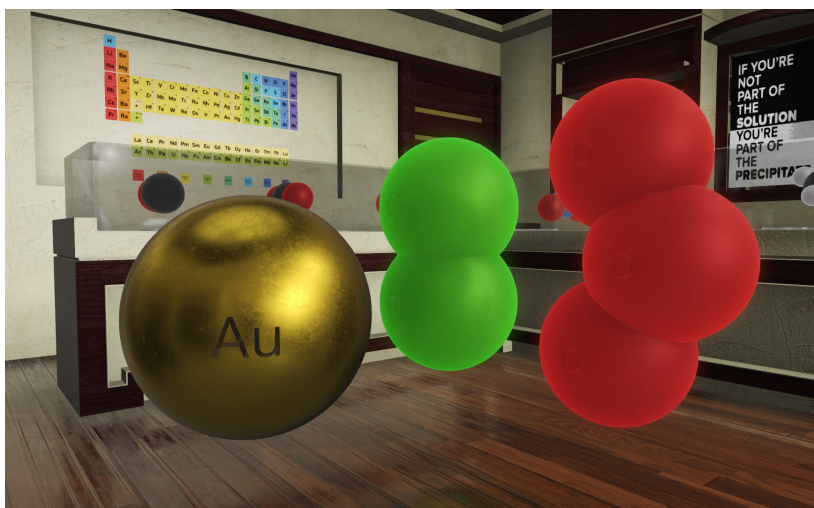
Episode 2: You Only Bond Twice

Gold finally meets the mysterious Chlorine and they try bonding, but to no avail. Suddenly Carbon and his heavies arrive on the scene. Gold and Chlorine are able to escape, but before they know it, Chlorine has ionically bonded with Potassium and Gold calls for backup. Water arrives and Potassium Chloride is taken to a secret location. Can the ionic bond be broken?

Key Stage 4

Additional Resources

- Comprehension Questions
- Transcript
- Comparative Dissolution Rates
- Suggested Responses



2017 | 7 min | CC | AR

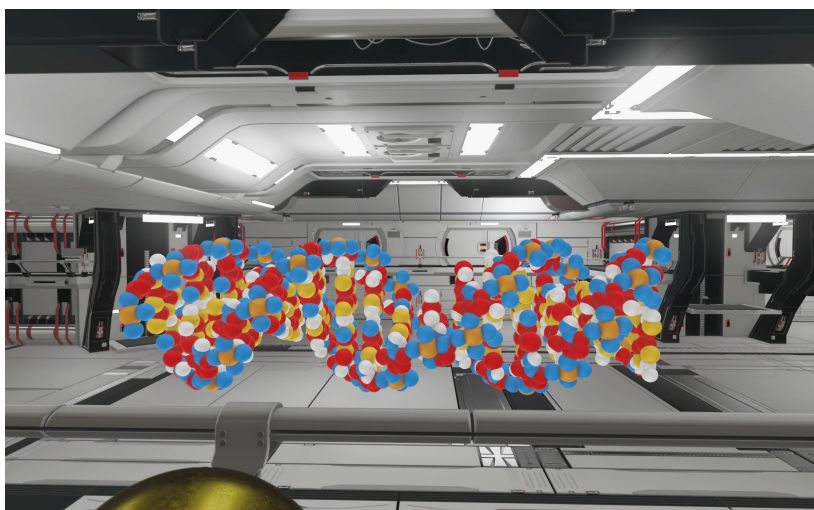
Episode 3: Bond Another Day

In a secret location, Copper and Silver separate Chlorine from Potassium. Gold and Chlorine return to Carbon's secret school – but cannot find Fluorine and Oxygen. Carbon appears, and Gold and Chlorine flee to a nearby bond shop where they meet Oxygen – now an Ozone molecule. Carbon has followed them and calls in Cyanide to dissolve Gold, and our hero is taken to the DNA coding hideout.

Key Stage 4

Additional Resources

- Comprehension Questions
- Transcript
- Gold Is Finally Bonded
- Suggested Responses



2017 | 7 min | CC | AR

Episode 4: Carbon is Forever

In the hideout, Chlorine is trapped in Carbon's buckyball, and Gold is put behind bars. When released, Ethanol takes him on a guided tour of the completed Project D. It's giant DNA molecule, which will bring Planet Earth to life. Gold's final attempt at destroying the molecule has little effect. Carbon's heavies throw Gold and Chlorine into some aqua regia – and the pair finally bond.

Key Stage 4

Additional Resources

- Comprehension Questions
- Transcript
- Gold and Chlorine Together At Last
- Suggested Responses