

Careers for each unit at Cam Woodfield Junior School

Units	Careers
<p>Animals including humans</p> <p>Year 3</p> <p>Year 4</p> <p>Year 5</p> <p>Year 6</p> <p>Living things and their habitats</p> <p>Year 4</p> <p>Year 5</p>	<p>Animals</p> <ul style="list-style-type: none"> • Agricultural engineer (studies agricultural production and processing) • Animal behaviourist (studies animal interactions) • Biochemist (investigates chemical processes that take place inside living things) • Conservationist (works for the protection and preservation of living things and the environment) • Farmer (grows crops and raises animals for food) • Geneticist (studies genes) • Herpetologist (studies amphibians and reptiles) • Ichthyologist (studies fish) • Lepidopterist (studies butterflies and moths) • Marine biologist (studies living things in oceans) • Mammalogist (studies mammals) • Microbiologist (studies tiny living things) • Nematologist (studies worms) • Ornithologist (studies birds) • Parasitologist (studies parasites) • Park ranger (maintains parks) • Phenologist (studies life cycles) • Taxonomist (classifies animals and plants) • Veterinarian/Vet (looks after unwell animals) • Wildlife filmmaker (creates films and documentaries about wildlife) • Wildlife photographer (takes pictures of animals and plants) • Zoologist (studies animals) <p>Humans</p> <ul style="list-style-type: none"> • Anaesthetist (a doctor whose role is to anaesthetise patients) • Biochemist (investigates chemical processes that take place inside living things) • Biomedical engineer (designs biomedical equipment, including artificial organs) • Cardiologist (a doctor specialising in the heart and circulatory system) • Dentist (looks after teeth and gums) • Doctor (works to keep people healthy and cure disease) • Dietician (develops nutrition advice to improve people's diets) • Exercise physiologist (a doctor who helps people improve their fitness) • Geneticist (studies genes) • Haematologist (studies blood and its diseases) • Midwife (helps with the delivery of babies) • Neurologist (a doctor specialising in the brain and nervous system) • Nurse (cares for patients and has a broad spectrum of responsibilities) • Nutritionist (studies nutrition in food and how it affects our bodies) • Oncologist (a doctor specialising in cancer treatment) • Ophthalmologist (a doctor specialising in vision and eye health) • Optician (a doctor specialising in vision and eye health)

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	<ul style="list-style-type: none"> • Orthodontist (a doctor who looks after people's teeth and gums) • Paediatrician (a doctor specialising in children's medicine) • Pathologist (a doctor who specialises in body fluids and tissues) • Pharmacist (dispenses medicines and gives advice on medicines) • Pharmacologist (studies the effects of drugs and other chemicals) • Physiologist (a scientist who studies how plants and animals function) • Physiotherapist (helps people affected by illness, injury or disability through movement and exercise) • Podiatrist (a doctor specialising in feet and the way people walk) • Proctologist (a doctor specialising in the colon, rectum and anus) • Psychiatrist (a doctor who specialises in mental health) • Psychologist (a doctor who studies mental processes and human behaviour) • Sport scientist (works with sportspeople to help them achieve the best possible performance) • Obstetrician (a doctor who specialises in pregnancy and childbirth) • Toxicologist (studies the effects of chemicals on living things) Urologist (a doctor specialising in the urinary system) <p>The environment</p> <ul style="list-style-type: none"> • Agricultural engineer (studies agricultural production and processing) • Agronomist (studies soil) Archaeologist (studies history using artefacts) • Meteorologist (studies the atmosphere and weather) • Conservationist (works for the protection and preservation of living things and the environment) • Ecologist (studies interactions between living things and their environments) • Geologist (studies the Earth and what it is made of, including rocks) • Geophysicist (studies processes that change and shape the Earth) • Horticulturist (an expert in garden cultivation and management) • Marine biologist (studies living things in oceans) • Meteorologist (studies the atmosphere and weather) • Oceanographer (studies the physical and biological aspects of the oceans) • Park ranger (maintains parks) • Renewable energy engineer (works on environmentally conscious energy production) • Seismologist (studies earthquakes) • Surveyor (examines the condition of land and buildings) • Volcanologist (studies volcanoes)
<p>Evolution and Inheritance Year 6</p>	<ul style="list-style-type: none"> • Archaeologist (studies history using artefacts) • Geneticist (studies genes) • Geologist (studies the Earth and what it is made of, including rocks) • Oceanographer (studies the physical and biological aspects of the oceans) • Paleobotanist (studies plant fossils) • Paleontologist (studies fossils) • Conservationist • Zoologist

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<p>Plants Year 3</p>	<ul style="list-style-type: none"> • Agricultural engineer (studies agricultural production and processing) • Arborist (cares for and manages trees) • Biochemist (investigates chemical processes that take place inside living things) • Botanist (studies plants) • Conservationist (works for the protection and preservation of living things and the environment) • Ecologist (studies interactions between living things and their environments) • Farmer (grows crops and raises animals for food) • Forester (works to deliver wood products to the market) • Gardener (creates and maintains gardens and green spaces) • Horticulturist (an expert in garden cultivation and management) • Irrigation engineer (creates and develops water systems) • Microbiologist (studies tiny living things) • Oceanographer (studies the physical and biological aspects of the oceans) • Paleobotanist (studies plant fossils) Park ranger (maintains parks) • Plant geneticist (studies genetics in plants - many work on developing crops to be more robust or provide more nutrition) • Taxonomist (classifies animals and plants) Tree surgeon (plants, maintains and manages trees)
<p>Rocks Year 3</p>	<ul style="list-style-type: none"> • Agricultural engineer (studies agricultural production and processing) • Agronomist (studies soil) • Archaeologist (studies history using artefacts) • Architect (designs buildings) Builder (builds structures) • Crystallographer (studies the structures and properties of crystals) • Geologist (studies the Earth and what it is made of, including rocks) • Palaeobotanist (studies plant fossils) • Palaeontologist (studies fossils) • Seismologist (studies earthquakes) Volcanologist (studies volcanoes)
<p>Lights Year 3 Year 6</p>	<ul style="list-style-type: none"> • Architect (designs buildings) • Astronomer (studies space) • Astrophysicist (studies the physics of space and objects in space) • Ophthalmologist (a doctor specialising in vision and eye health) • Optician (a doctor specialising in vision and eye health)
<p>Sound Year 4</p>	<ul style="list-style-type: none"> • Audiologist (studies sound and its properties) • Audio technician (responsible for using sound recording equipment) • Physicist (studies physics) • Sound engineer (deals with sound for broadcasts or musical performances)
<p>Electricity Year 4 Year 6</p>	<ul style="list-style-type: none"> • Electrical engineer (works with equipment that uses electricity) • Electrician (installs and maintains electrical equipment) • Physicist (studies physics) • Renewable energy engineer (works on environmentally conscious energy production)
<p>Forces and Magnets Year 3 Year 5</p>	<ul style="list-style-type: none"> • Aeronautical engineer (designs, develops, manufactures and maintains aircraft) • Architect (designs buildings) • Astronautical engineer (develops spacecraft) • Astronomer (studies space) • Astrophysicist (studies the physics of space and objects in space)

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	<ul style="list-style-type: none"> • Builder (builds structures) • Mechanical engineer (designs, analyses and manufactures mechanical systems) • Physicist (studies physics) • Pilot (pilots planes) • Renewable energy engineer (works on environmentally-conscious energy production) • Seismologist (studies earthquakes)
<p>States of Matter Year 4</p> <p>Properties and changing materials Year 5</p>	<p>Materials</p> <ul style="list-style-type: none"> • Architect (designs buildings) • Biochemist (investigates chemical processes that take place inside living things) • Builder (builds structures) • Chemical engineer (solves problems involving chemicals) • Chemist (studies chemistry. Can focus on a broad range of disciplines within chemistry) • Geologist (studies the Earth and what it is made of, including rocks) • Materials scientist (researches structures and properties of materials) • Mechanical engineer (designs, analyses and manufactures mechanical systems) • Nano scientist (studies incredibly small things, such as atoms) <p>Seasonal changes (weather)</p> <ul style="list-style-type: none"> • Agricultural engineer (studies agricultural production and processing) • Climatologist (studies climate patterns) • Horticulturist (an expert in garden cultivation and management) • Meteorologist (studies the atmosphere and weather) • Park ranger (maintains parks)
<p>Earth and Space Year 5</p>	<ul style="list-style-type: none"> • Astronaut (travels to space to carry out research) • Astronautical engineer (develops spacecraft) • Astronomer (studies space) • Astrophysicist (studies the physics of space and objects in space) • Physicist (studies physics)
<p>Engineering</p>	<ul style="list-style-type: none"> • Aeronautical engineer (designs, develops, manufactures and maintains aircraft) • Agricultural engineer (studies agricultural production and processing) • Astronautical engineer (develops spacecraft) • Automotive engineer (works on the design and development of automobiles) • Biomedical engineer (designs biomedical equipment, including artificial organs) • Chemical engineer (solves problems involving chemicals) • Civil engineer (designs and maintains roads, dams, bridges and other similar structures) • Electrical engineer (works with equipment that uses electricity) • Mechanical engineer (designs, analyses and manufactures mechanical systems) • Renewable energy engineer (works on environmentally-conscious energy production) • Robotic engineer (designs, develops and maintains robots) • Sound engineer (deals with sound for broadcasts or musical performances)

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<p><i>Science Careers</i></p>	<ul style="list-style-type: none">• <i>Builder (builds structures)</i>• <i>Forensic scientist (analyses evidence at crime scenes)</i>• <i>Mechanic (repairs and maintains machinery)</i>• <i>Nanoscientist (studies incredibly small things, such as atoms)</i>• <i>Physicist (studies physics)</i>• <i>Research analyst (analyses research)</i>• <i>Research scientist (carries out research in their particular field)</i>• <i>Science communicator (informs others about scientific research and developments in an accessible way)</i>• <i>Science teacher (teaches others about science)</i> <p><i>Computer Science</i></p> <ul style="list-style-type: none">• <i>Computer hardware engineer (researches, designs, develops and tests computer hardware)</i>• <i>Computer scientist (studies computers and their use)</i>• <i>Data analyst (analyses data to come to conclusions)</i>• <i>Games designer (creates computer games)</i>• <i>Research analyst (analyses research)</i>• <i>Software developer (creates and develops software for computers)</i>• <i>Web developer (a programmer who specialises in the internet)</i>
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