

ST CLARE'S SCIENCE & EXPERIMENTS Student Timetable

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 9:55	Welcome to Oxford Overview of St Clare's, your course, getting to know each other and the laboratory. <i>Induction</i>	Clean hands, dirty hands 1 Set up an experiment to look at the effects of detergents. <i>Microbiology</i>	Why do things move? Use trolleys and ramps to design experiments. <i>Physics</i>	Animal feeding Nutrition for different animals. <i>Biology</i>	University Labs Visit Oxford University laboratories to hear about the groundbreaking work they are doing and conduct some common biochemistry experiments. <i>Lab Visit</i>
	10:05 11:00	Welcome to Science & Experiments Overview of St Clare's, your course, getting to know each other and the laboratory. Set your goals for the course. <i>Induction</i>	What is DNA? Make a model of a DNA molecule. <i>Biology</i>	Flying high Investigate flight by making your own parachute or helicopter. <i>Physics</i>	
BREAK					
11:30 12:55 (12:25 Fri)	Cell structure Use a microscope to discover what is in plant and animal cells. <i>Microbiology</i>	It's in your DNA Conduct a DNA extraction. <i>Biology</i>	Wavelengths Experiment with moving a car using balloon power. <i>Physics</i>	Clean hands, dirty hands 2 Check on results. <i>Biology/Botany</i>	Crystal clear Set up and make your own crystals. <i>Chemistry</i>
LUNCH					
14:00 14:55	Explore Oxford! Meet in the hall to tour the centre of Oxford. You'll meet students from other courses and get to know the important sights of the city centre. <i>Excursion</i>	Coding Get to know the microbits and what they can do! Write a song or design a game. <i>Computer science</i>	History of Science Visit this Oxford Museum to see its collection relating to history of science, including Einstein's blackboard! <i>Study Visit</i>	Evolution & Classification Take part in a fascinating workshop at the oldest Botanic Garden in the UK. <i>Study Visit</i>	Stratford-upon-Avon Home of William Shakespeare. <i>Example Optional Excursion</i>
15:05 16:00		Guest Speaker Listen to our Guest Speaker give a lecture on this week's Interactive English theme. <i>Guest Speaker</i>			

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 9:55	Projects – research and proposal D13 Use resources to find interesting questions. Complete your project proposal.	Zookeeper for a day Visit Merrist Wood and learn what it takes to be a zookeeper.	Ecosystems! Find out what is living in the pond using observation and dichotomous keys.	Projects - data collection Collecting data for your project.	Science Poster Conference A personal presentation on a project of your choice.
10:05 11:00			Who dunnit? Solve a crime at St Clare's using science.		
	<i>Projects</i>	<i>Study Visit</i>	<i>Ecology</i> <i>Forensics</i>	<i>Projects</i>	<i>Project Presentations</i>
BREAK					
11:30 12:55 (12:25 Fri)	Scientists of tomorrow Consider the possibility of a career in a scientific field.	Zookeeper for a day Visit Merrist Wood and learn what it takes to be a zookeeper.	Save the birds! Build a tower to hold a bird's nest.	Projects - processing Processing data and writing up your project poster.	Reflection and evaluation Reflection, review and Leaving Ceremony.
	<i>Careers</i>	<i>Study Visit</i>	<i>Engineering</i>	<i>Projects</i>	<i>Reflection</i>
LUNCH					
14:00 14:55	Projects – trial data Trial data – does your method work?	Zookeeper for a day Visit Merrist Wood and learn what it takes to be a zookeeper.	Natural History Museum Visit this Oxford Museum, the home of the evolution debate, 1860.	Coding Use the microbits to build code.	Warwick Castle Visit a magnificent medieval castle.
15:05 16:00					
	<i>Projects</i>	<i>Study Visit</i>	<i>Study Visit</i>	<i>Computer Science</i>	<i>Example Optional Excursion</i>