

Join the Sixth Form that is focused on success



www.madeleyacademy.com



Preparing for Sixth Form Success 2026

Congratulations on securing your place at Madeley Academy Sixth Form.

We are delighted that you have chosen to continue your education with us and look forward to welcoming you in September. Joining Sixth Form is an exciting step that brings new opportunities, greater independence and the chance to begin shaping your future pathway.

At Madeley Academy Sixth Form, students benefit from excellent teaching, outstanding support and a wide range of opportunities beyond the classroom. Whether your ambition is to progress to university, secure a degree apprenticeship, enter employment or pursue a specialist career, we are committed to helping you achieve your goals.

The transition from GCSE to Level 3 study is significant. Courses are more demanding, lessons move at a faster pace and students are expected to take greater responsibility for their own learning. However, with commitment, organisation and a positive attitude, you will quickly develop the skills needed to thrive.

This guide has been designed to help you prepare for your chosen subjects before September. The activities included are not compulsory and are not assessed. They are intended to help you develop curiosity, confidence and a deeper understanding of your subjects before you begin your studies.

Most importantly, take time to celebrate your achievements, enjoy your summer and return refreshed and ready for the exciting opportunities that Sixth Form will bring.

We look forward to welcoming you to Madeley Academy Sixth Form and supporting you throughout the next stage of your educational journey.

Clare Snik

Head of Sixth Form



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com



Why Sixth Form is Different from GCSE

Moving from GCSE to Sixth Form is one of the most important transitions in your education. While your teachers will continue to support and guide you, you will be expected to become a more independent learner and take greater responsibility for your progress.

Greater Independence

At GCSE, much of your learning is directed by your teachers. At Sixth Form, you will have more responsibility for organising your work, meeting deadlines and identifying areas where you need additional support.

Deeper Learning

Rather than studying lots of different subjects, you will focus on a smaller number of courses in greater depth. This allows you to develop specialist knowledge and a stronger understanding of topics that interest you.

Independent Study

Successful Sixth Form students understand that learning does not stop when lessons end. Independent study is essential and should be used to:

- Review lesson notes regularly
- Complete assignments and coursework
- Read around your subjects
- Research topics in greater depth
- Prepare for assessments and examinations

Time Management

With greater freedom comes greater responsibility. Developing good organisational skills early will help you balance lessons, independent study, enrichment activities, part time employment and social commitments.

Thinking Critically

At Sixth Form you will be encouraged to question information, analyse evidence, evaluate different viewpoints and develop your own informed opinions. These skills are highly valued by universities and employers.

Looking Ahead

Sixth Form is not just about achieving qualifications. It is also about preparing for your future. Throughout your time at Madeley Academy Sixth Form you will have opportunities to explore careers, attend university visits, participate in work experience and develop the employability skills needed for success beyond education.

Approach Sixth Form with an open mind, a willingness to work hard and a commitment to making the most of every opportunity available to you.



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Independent Study Toolkit

The Habits of Successful Sixth Form Students

Students who achieve the highest grades are not always the most naturally talented. They are often the students who consistently apply effective study habits.

Review Regularly

Do not wait until examinations to revisit your learning. Regular review helps information move into your long-term memory.

Read Beyond the Classroom

Developing wider subject knowledge will improve your understanding and help you make connections between topics.

Ask Questions

If you do not understand something, seek help early. Successful students are proactive and take responsibility for their learning.

Stay Organised

Keep notes, folders and digital files organised from the beginning of the course.

Embrace Challenge

Sixth Form work is designed to be demanding. Do not be discouraged if you find topics difficult at first. Progress comes through effort and perseverance.

Recommended Study Techniques

- Flashcards for key knowledge and terminology
- Mind maps to link ideas and concepts
- Practice questions and past papers
- Retrieval practice from memory
- Teaching concepts to somebody else



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lhoolbrook@madeleyacademy.com



Your Summer Bucket List

Before September, try to complete as many of the following as possible:

- Visit a university website and explore a course that interests you
- Read a book, article or magazine linked to one of your subjects
- Listen to a podcast related to a future career
- Watch a documentary connected to one of your chosen courses
- Complete at least one subject summer challenge
- Organise a study space at home
- Purchase any equipment you may need
- Discuss your future ambitions with family members
- Follow a professional organisation linked to one of your subjects
- Celebrate your GCSE achievements and enjoy your summer

September will arrive sooner than you think. Use the summer as an opportunity to recharge, explore your interests and prepare for an exciting new chapter at Madeley Academy Sixth Form.



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





BTEC APPLIED SCIENCE

What Will I Study and Why?

Applied Science combines Biology, Chemistry and Physics, allowing you to explore how scientific principles are applied in real world situations. You will develop practical laboratory skills, investigate scientific techniques and examine how science contributes to healthcare, industry and technological advancement. The course combines theoretical knowledge with practical application, helping students understand how science impacts everyday life.

Applied Science provides an excellent foundation for students interested in healthcare, laboratory science, environmental science, forensic science and technical industries. The qualification is highly regarded by universities, apprenticeships and employers seeking students with strong analytical and practical skills.

Skills for Success

- Scientific investigation
- Practical laboratory techniques
- Data analysis
- Evaluation of evidence
- Problem solving

Summer Preparation

- Follow science stories in the news
- Watch documentaries about scientific discoveries
- Revisit key GCSE Science concepts
- Explore careers linked to science and healthcare

Useful Resources

- New Scientist
- BBC Science Focus
- Science Museum

Summer Challenge

Choose a scientific breakthrough from the last five years and create a newspaper article explaining why it is important.

Career Spotlight

Biomedical Scientist | Forensic Scientist | Laboratory Technician | Environmental Scientist | Healthcare Scientist



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Art and Design

What Will I study and Why?

Art and Design encourages creativity, experimentation and personal expression. You will explore a range of materials, techniques and artistic approaches while developing your own portfolio of work. Throughout the course you will investigate the work of artists, designers and craftspeople, using their ideas to inspire your own creative journey.

Art and Design develops creativity, problem solving and visual communication skills that are valued across many industries. It supports progression into fine art, graphic design, illustration, architecture, fashion, animation and many other creative careers.

Skills For Success

- Creativity
- Observation
- Independent working
- Visual communication
- Reflection and evaluation

Summer Preparation

- Visit galleries or explore virtual exhibitions
- Keep a sketchbook of ideas and observations
- Experiment with different materials and techniques
- Research artists whose work interests you

Useful Resources

- Tate Gallery
- National Gallery
- Google Arts and Culture

Summer Challenge

Create a sketchbook page based on the theme "Identity" using images, drawings, colour and annotation

Career Spotlight

Graphic Designer | Illustrator | Architect | Animator | Art Director



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lhoolbrook@madeleyacademy.com





Biology

What Will I study and Why?

Biology explores the science of living organisms, from the smallest cells to entire ecosystems. You will study topics including genetics, disease, biodiversity, evolution and human physiology while developing practical scientific skills and analytical thinking. The course encourages students to investigate the living world and understand the biological processes that affect our lives.

Biology is an excellent choice for students interested in medicine, dentistry, veterinary science, nursing, physiotherapy, environmental science and many other STEM careers. It develops scientific understanding alongside valuable research and analytical skills.

Skills For Success

- Scientific enquiry
- Data Interpretation
- Mathematical skills
- Independent research
- Written communication

Summer Preparation

- Explore recent medical breakthroughs
- Watch documentaries about the human body and nature
- Revise cell structure and organisation
- Read articles about environmental issues

Useful Resources

- Royal Society of Biology
- Nature
- BBC Science Focus

Summer Challenge

Create an infographic explaining how one body system works and why it is essential for human survival.

Career Spotlight

Doctor | Physiotherapist | Biomedical Scientist | Veterinary Surgeon | Environmental Consultant



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Business

What Will I Study and Why?

Business explores how organisations operate in competitive and constantly changing environments. You will study marketing, finance, operations, human resources and strategic decision making while investigating how businesses respond to opportunities and challenges. Through real world case studies, you will develop an understanding of how successful organisations grow and compete.

Business develops commercial awareness and decision-making skills that are highly valued by universities and employers. It supports progression into management, marketing, finance, entrepreneurship, human resources and many other career pathways.

Skills For Success

- Communication
- Problem solving
- Decision making
- Numerical analysis
- Commercial awareness

Summer Preparation

- Follow business stories in the news
- Research a company that interests you
- Watch programmes such as Dragons' Den or The Apprentice
- Explore how businesses advertise and promote their products

Useful Resources

- BBC Business
- Tutor2u Business
- Financial Times Schools

Summer Challenge

Develop a Dragons' Den style pitch for a new product or service. Explain who your customers would be and why they would buy it.

Career Spotlight

Marketing Executive | Entrepreneur | Accountant | Business Analyst | Human Resources Manager



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

hholbrook@madeleyacademy.com





Chemistry

What Will I Study and Why?

Chemistry explores the structure of matter and how substances interact. You will investigate atomic structure, bonding, energetics, organic chemistry and chemical reactions while developing practical laboratory skills. Chemistry helps explain the world around us and underpins advances in medicine, manufacturing, engineering and environmental science.

Chemistry is highly valued by universities and employers because it develops logical thinking, problem solving and analytical skills. It supports progression into medicine, pharmacy, chemical engineering, forensic science and many other scientific careers.

Skills For Success

- Mathematical application
- Problem solving
- Practical investigation
- Attention to detail
- Data analysis

Summer Preparation

- Revise atomic structure and bonding
- Practise rearranging equations
- Explore chemistry in everyday products
- Watch science documentaries

Useful Resources

- Chemguide
- Royal Society of Chemistry
- BBC Bitesize Chemistry

Summer Challenge

Investigate five chemicals found in your home and explain how they are used in everyday life.

Career Spotlight

Pharmacist | Chemical Engineer | Forensic Scientist | Research Scientist | Toxicologist



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Computer Studies

What Will I Study and Why?

Computer Studies explores how computer systems work and how software is designed and developed. You will investigate programming, algorithms, cyber security, data representation and computer architecture while developing computational thinking skills.

Technology plays a vital role in modern society and there is growing demand for skilled computing professionals. The course supports progression into software development, cyber security, game design, artificial intelligence and many other technology related careers.

Skills For Success

- Logical thinking
- Programming
- Problem solving
- Attention to detail
- Creativity

Summer Preparation

- Explore simple programming activities
- Learn basic coding concepts
- Follow developments in technology
- Investigate how computer systems are used in everyday life

Useful Resources

- CS Newbs
- Codecademy
- BBC Technology

Summer Challenge

Create a simple computer program or flowchart that solves a real world problem

Career Spotlight

Software Developer | Cyber Security Analyst | Data Scientist | Systems Engineer | Game Designer



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Construction

What Will I Study and Why?

Construction and the Built Environment develops knowledge of the design, planning and management of construction projects. You will investigate sustainable construction, building design, project management and commercial aspects of the industry while developing an understanding of one of the UK's largest employment sectors.

Construction offers a wide range of progression routes including apprenticeships, university courses and direct employment. The sector continues to grow and provides opportunities in design, engineering, management and skilled trades.

Skills For Success

- Project planning
- Communication
- Problem solving
- Numerical skills
- Teamwork

Summer Preparation

- Research different careers within construction.
- Explore modern sustainable buildings.
- Observe construction projects in your local area.
- Develop confidence with measurements and calculations.

Useful Resources

- Go Construct
- Institution of Civil Engineers
- CITB

Summer Challenge

Design your dream environmentally friendly home and label the sustainable features you would include.

Career Spotlight

Architect | Quantity Surveyor | Civil Engineer | Site Manager | Project Manager



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Design and Technology

What Will I Study and Why?

Design and Technology develops your ability to design, create and evaluate products that solve real world problems. You will investigate materials, manufacturing processes, sustainability and innovation while applying creative thinking to practical challenges.

The course combines creativity with technical knowledge and supports progression into engineering, product design, architecture, manufacturing and many other industries where innovation is essential.

Skills for Success

- Creativity
- Problem solving
- Innovation
- Technical drawing
- Evaluation

Summer Preparation

- Visit galleries or exploring virtual exhibitions
- Keep a sketchbook of ideas and observations
- Experiment with different materials and techniques
- Research artists whose work interests you

Useful Resources

- Design Museum
- Autodesk Education
- BBC Bitesize Design and Technology

Summer Challenge

Design a product that solves an everyday problem. Include sketches and explain how it would benefit users

Career Spotlight

Product Designer | Engineer | Architect | Industrial Designer | Manufacturing Manager



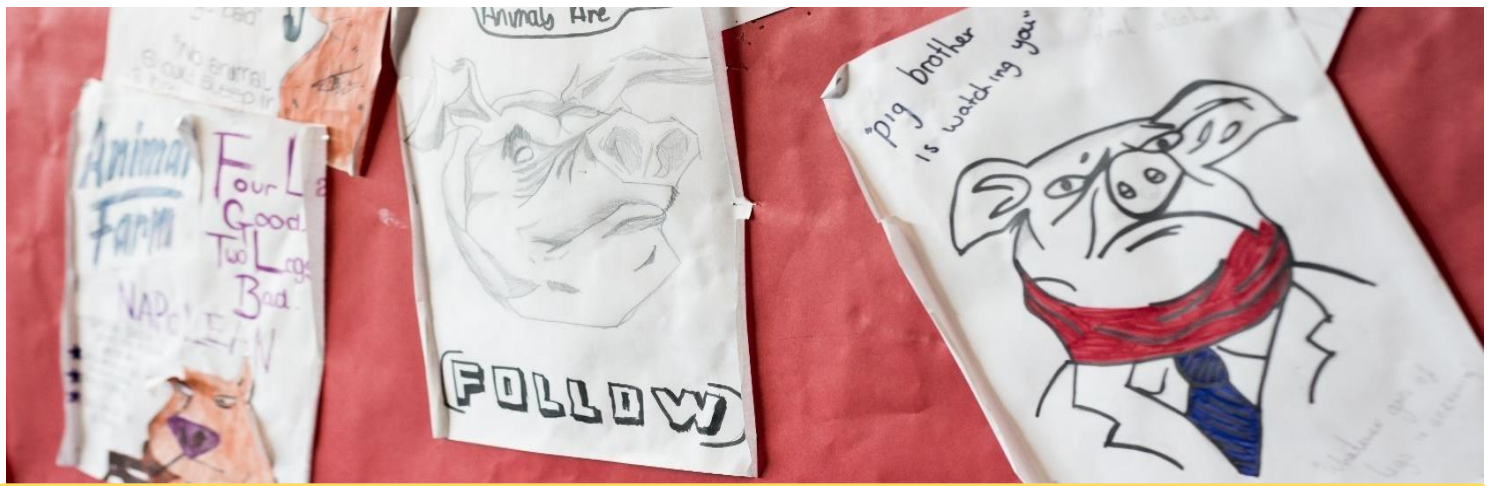
A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





English Language and Literature

What Will I Study and Why?

English Language and Literature combines the study of literary texts with the exploration of how language shapes meaning. You will investigate novels, poetry, drama and non-fiction texts while analysing how writers and speakers use language to influence audiences.

This course develops advanced communication, analytical and critical thinking skills that are highly valued by universities and employers. It provides excellent preparation for a wide range of degree courses and careers.

Skills for Success

- Written communication
- Interpretation
- Critical thinking
- Independent reading
- Analysis

Summer Preparation

- Read a novel, biography or collection of poems
- Explore a range of newspaper and magazine articles
- Listen to podcasts and consider how language is used
- Develop a habit of regular reading

Useful Resources

- British Library
- Poetry Foundation
- The Guardian Books

Summer Challenge

Write a review of a book, film or podcast that has made you think differently about an issue

Career Spotlight

Journalist | Teacher | Solicitor | Copywriter | Publisher



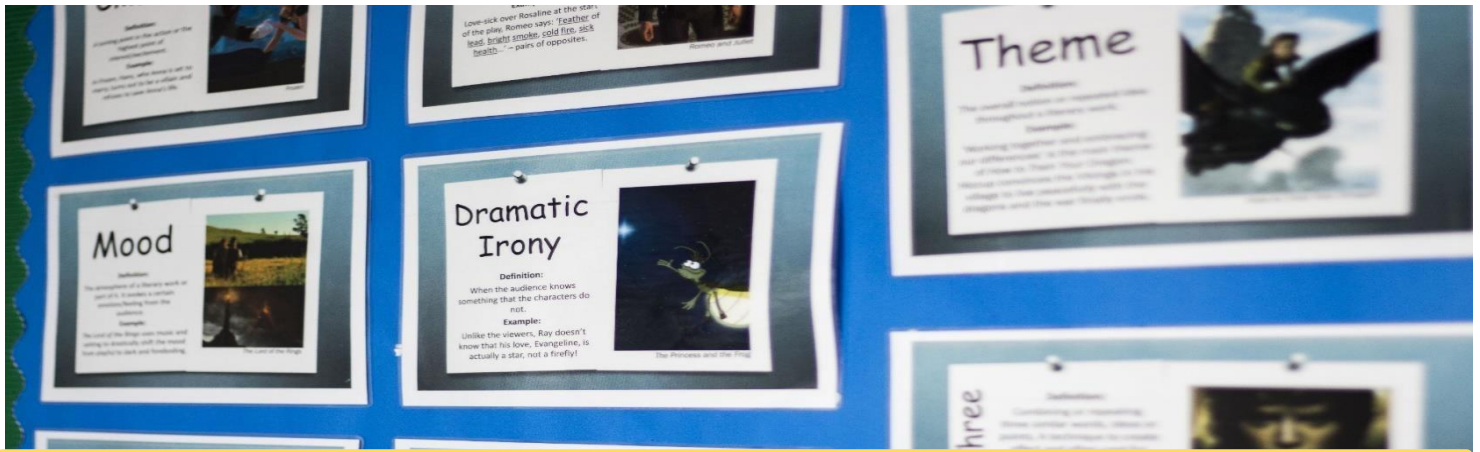
A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lhobrook@madeleyacademy.com





English Literature

What Will I Study and Why?

English Literature explores how writers present ideas, themes and experiences through novels, poetry and drama. You will develop your ability to analyse texts critically while considering the historical and cultural contexts in which they were written.

English Literature develops sophisticated analytical, communication and evaluative skills. It is highly respected by universities and provides an excellent foundation for careers involving reading, writing, communication and critical thinking.

Skills for Success

- Essay writing
- Interpretation
- Critical analysis
- Independent reading
- Evaluation

Summer Preparation

- Read a novel that challenges you
- Explore poetry from different periods
- Read reviews and literary articles
- Consider how literature reflects society

Useful Resources

- British Library
- Poetry Foundation
- BBC Arts

Summer Challenge

Read a novel and create a character relationship map showing how the main characters influence one another

Career Spotlight

Lawyer | Journalist | Teacher | Editor | Communications Manager



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lhoolbrook@madeleyacademy.com





Food Science and Nutrition

What Will I Study and Why?

Food Science and Nutrition explores the relationship between food, nutrition and health. You will investigate the nutritional needs of different groups, food production, food safety and the science behind food preparation. The course combines scientific understanding with practical application.

This qualification supports progression into nutrition, dietetics, food technology, hospitality, health promotion and a variety of food related industries. It also develops valuable practical and analytical skills.

Skills for Success

- Organisation
- Scientific understanding
- Planning
- Attention to detail
- Research

Summer Preparation

- Learn about healthy eating guidelines
- Explore food labelling and nutrition information
- Watch documentaries about food production
- Develop confidence preparing simple meals

Useful Resources

- British Nutrition Foundation
- Food a Fact of Life
- NHS Eatwell Guide

Summer Challenge

Design a healthy one-day meal plan for a teenager and explain how it meets nutritional requirements.

Career Spotlight

Dietitian | Nutritionist | Food Technologist | Product Developer | Public Health Practitioner



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





French

What Will I Study and Why?

French develops advanced language skills while deepening your understanding of French speaking cultures and societies. You will improve your speaking, listening, reading and writing skills while exploring topics such as social issues, current affairs and cultural traditions.

Language skills are highly valued in an increasingly global world. French can support careers in international business, tourism, diplomacy, translation, teaching and many other sectors.

Skills for Success

- Communication
- Listening skills
- Reading comprehension
- Cultural awareness
- Confidence

Summer Preparation

- Listen to French music and podcasts
- Watch French films or television programmes
- Revise GCSE vocabulary and grammar
- Read simple French news articles

Useful Resources

- TV5Monde
- France 24 Français
- Duolingo

Summer Challenge

Plan a three-day visit to Paris using French websites and create an itinerary written partly in French

Career Spotlight

Translator | Teacher | Diplomat | International Business Manager | Travel Consultant



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Geography

What Will I Study and Why?

Geography helps us understand the world around us and the challenges facing people and environments across the globe. You will study a range of physical and human geography topics, including climate change, natural hazards, globalisation, urban development and resource management. The course encourages students to investigate real world issues and consider how societies can respond to future challenges.

Geography combines scientific understanding with social awareness, making it one of the most versatile subjects available. It develops skills that are highly valued by universities and employers and supports progression into environmental management, planning, teaching, business, international development and many other careers.

Skills for Success

- Data analysis
- Report writing
- Critical thinking
- Research skills
- Problem solving

Summer Preparation

- Follow environmental and global news stories
- Explore current issues such as climate change and migration
- Watch documentaries about different regions of the world
- Develop your map reading skills

Useful Resources

- National Geographic
- BBC News Science and Environment
- Royal Geographical Society

Summer Challenge

Create a case study poster about a recent natural hazard and explain its impact on people and the environment.

Career Spotlight

Environmental Consultant | Town Planner | Teacher | Sustainability Officer | International Development Worker



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lhoolbrook@madeleyacademy.com





Health and Social Care

What Will I Study and Why?

Health and Social Care examines how professionals support individuals throughout different stages of life. You will explore human development, health, wellbeing, communication, equality and the services that help people live healthy and fulfilling lives. The course combines theory with real world applications and encourages students to understand the challenges facing the care sector.

This qualification provides an excellent foundation for students interested in healthcare, nursing, midwifery, teaching, social work and public services. It develops both academic knowledge and practical understanding of professional practice.

Skills for Success

- Communication
- Empathy
- Organisation
- Problem solving
- Research

Summer Preparation

- Explore NHS careers
- Read articles about health and wellbeing
- Watch documentaries about healthcare services
- Consider the challenges facing health and social care providers

Useful Resources

- NHS
- Health Careers
- Skills for Care

Summer Challenge

Create a fact sheet explaining a healthcare profession and the qualifications, skills and responsibilities required for the role

Career Spotlight

Nurse | Midwife | Social Worker | Occupational Therapist | Healthcare Assistant



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





History

What Will I Study and Why?

History explores the events, individuals and movements that have shaped the modern world. You will investigate historical sources, analyse different interpretations and develop an understanding of how past events continue to influence society today. History encourages curiosity, debate and independent thinking.

History develops analytical, evaluative and communication skills that are highly valued across a wide range of careers. It supports progression into law, journalism, teaching, politics, public services and many other professions.

Skills for Success

- Source analysis
- Independent research
- Critical thinking
- Essay writing
- Evaluation

Summer Preparation

- Read historical articles and biographies
- Watch documentaries exploring significant events
- Visit a museum or historical site if possible
- Follow historical discussions and debates online

Useful Resources

- BBC History
- The National Archives
- History Today

Summer Challenge

Create a timeline of an historical event that interests you and identify five key turning points

Career Spotlight

Historian | Teacher | Journalist | Archivist | Lawyer



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

hholbrook@madeleyacademy.com





Information Technology

What Will I Study and Why?

Information Technology focuses on the practical use of technology within organisations. You will explore digital systems, databases, cyber security, project management and the impact of technology on businesses and society. The course develops technical skills alongside an understanding of how technology supports modern organisations.

Information Technology is relevant to almost every industry. Students develop valuable digital and organisational skills that are highly sought after by universities, employers and apprenticeship providers.

Skills for Success

- Organisation
- Project planning
- Problem solving
- Communication
- Digital literacy

Summer Preparation

- Develop confidence using digital tools
- Explore emerging technologies
- Learn about cyber security
- Follow technology news

Useful Resources

- Cisco Skills for All
- BBC Technology
- TechRadar

Summer Challenge

Research an emerging technology and create a presentation explaining how it may change the way we live and work

Career Spotlight

IT Technician | Network Engineer | Systems Analyst | Project Manager | Cyber Security Specialist



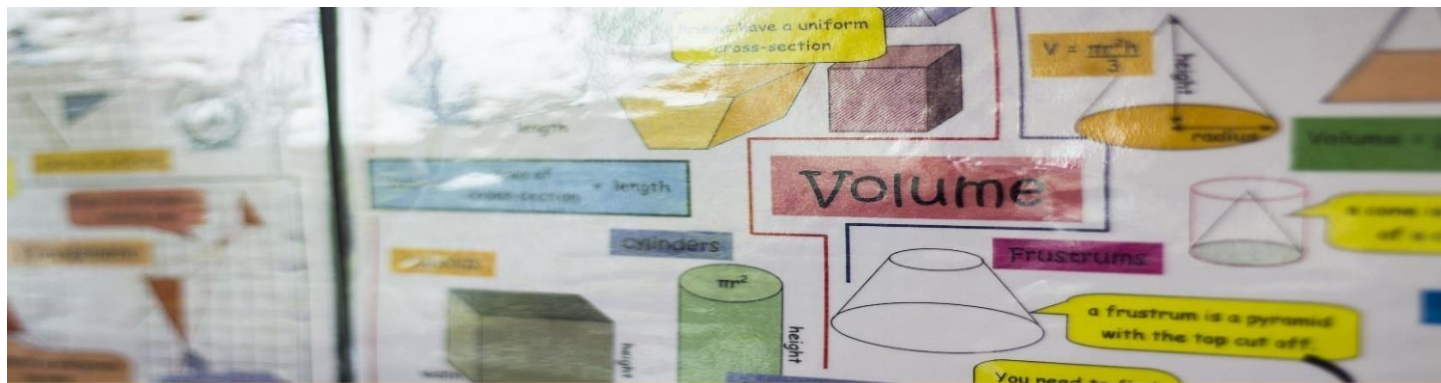
A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Mathematics

What Will I Study and Why?

Mathematics develops advanced problem solving skills through the study of algebra, trigonometry, calculus, statistics and mechanics. You will build upon GCSE knowledge while learning powerful mathematical techniques that help explain and model the world around us.

Mathematics is one of the most respected and versatile qualifications available. It supports progression into engineering, finance, computing, science, economics, teaching and countless other careers.

Skills for Success

- Numerical reasoning
- Logical thinking
- Problem solving
- Accuracy
- Resilience

Summer Preparation

- Practise algebra regularly
- Revise graphs and trigonometry
- Complete problem-solving activities
- Ensure confidence with calculator skills

Useful Resources

- Dr Frost Maths
- Corbett Maths
- Maths Genie

Summer Challenge

Complete ten GCSE Higher problem-solving questions and explain the methods you used.

Career Spotlight

Actuary | Engineer | Accountant | Data Scientist | Teacher



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Music

What Will I Study and Why?

Music develops performance, composition and listening skills through the study of a wide range of musical styles and genres. You will explore how music is created, performed and interpreted while developing your own practical and creative abilities.

Music encourages creativity, discipline and communication. It supports progression into performance, composition, music technology, teaching, production and a wide range of careers within the creative industries.

Skills for Success

- Creativity
- Listening and analysis
- Performing skills
- Collaboration
- Self discipline

Summer Preparation

- Listen to a variety of musical styles
- Attend live performances where possible
- Explore how music is used in film, television and media
- Continue developing your instrumental or vocal skills

Useful Resources

- BBC Music
- Classic FM
- ABRSM

Summer Challenge

Listen to three contrasting pieces of music and compare how they create different moods and emotions.

Career Spotlight

Performer | Composer | Music Producer | Teacher | Sound Engineer



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Performing Arts

What Will I Study and Why?

Performing Arts develops practical performance skills while exploring the creative industries. You will study performance techniques, rehearsal processes and professional practice while building confidence and communication skills through performance work.

Performing Arts helps students develop creativity, teamwork and self confidence. It supports progression into acting, theatre production, teaching, event management and many other careers where communication and presentation skills are important.

Skills for Success

- Communication
- Teamwork
- Creativity
- Confidence
- Self reflection

Summer Preparation

- Watch live or recorded performances
- Explore different performance styles
- Practise speaking confidently in front of others
- Research careers within the creative industries

Useful Resources

- National Theatre
- Digital Theatre Plus
- BBC Arts

Summer Challenge

Write a review of a live or recorded performance, commenting on the strengths of the performers and production.

Career Spotlight

Actor | Theatre Technician | Director | Event Manager | Drama Teacher



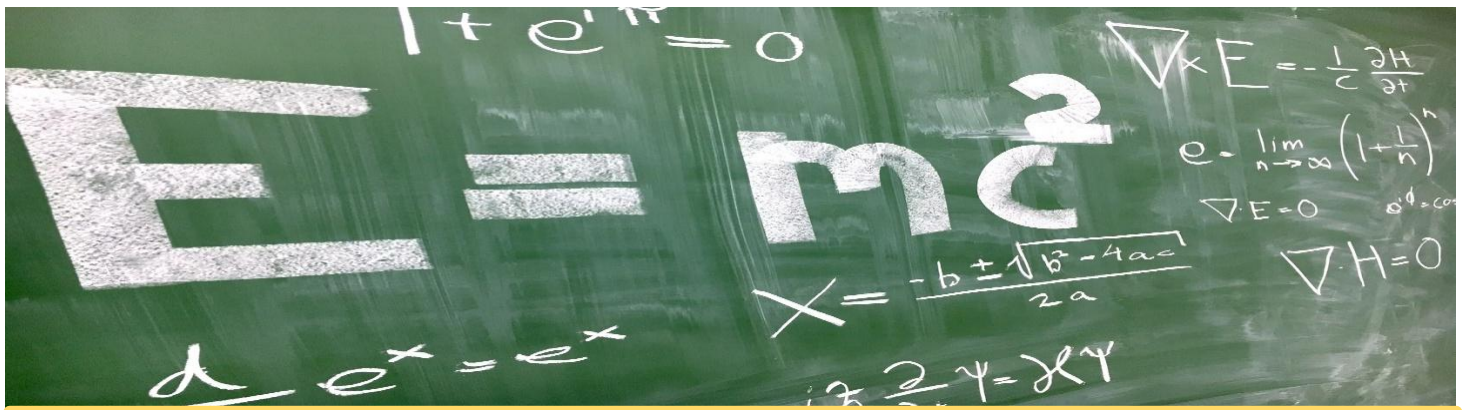
A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Physics

What Will I Study and Why?

Physics seeks to explain how the universe works, from the behaviour of subatomic particles to the movement of galaxies. You will study forces, energy, electricity, waves and modern physics while developing mathematical and practical skills. Physics encourages curiosity, logical thinking and problem solving.

Physics opens doors to careers in engineering, technology, aviation, finance, data science and research. The analytical and mathematical skills developed through Physics are highly valued across a wide range of professions.

Skills for Success

- Mathematical reasoning
- Scientific investigation
- Problem solving
- Logical decision making
- Analytical thinking

Summer Preparation

- Practise GCSE Physics calculations
- Follow developments in space exploration
- Watch documentaries about science and technology
- Explore how physics influences everyday life

Useful Resources

- Isaac Physics
- Institute of Physics
- BBC Science

Summer Challenge

Research a major scientific discovery in Physics and explain how it changed the world

Career Spotlight

Engineer | Astrophysicist | Pilot | Data Analyst | Aerospace Engineer



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Politics

What Will I Study and Why?

Politics examines how decisions are made within the United Kingdom and around the world. You will explore political institutions, democracy, elections, ideologies and current political issues while developing an understanding of how power influences society.

Politics is ideal for students interested in current affairs, debate and public life. The course develops research, analysis and communication skills that are valuable in careers such as law, journalism, public policy and government.

Skills for Success

- Debate and discussion
- Evaluation
- Communication
- Research
- Critical analysis

Summer Preparation

- Follow national and international news
- Explore different political viewpoints
- Watch political debates and interviews
- Read articles about current political issues

Useful Resources

- UK Parliament
- Institute for Government
- BBC Politics

Summer Challenge

Watch Prime Minister's Questions and summarise three key issues discussed during the session.

Career Spotlight

Civil Servant | Journalist | Political Researcher | Policy Adviser | Lawyer



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com





Psychology

What Will I Study and Why?

Psychology investigates human behaviour and mental processes through scientific research and evidence. You will explore topics such as memory, social influence, attachment, psychopathology and forensic psychology while developing an understanding of why people think, feel and behave in particular ways.

Psychology combines scientific investigation with the study of human behaviour. It develops valuable analytical and research skills that support progression into psychology, healthcare, education, business and many other careers.

Skills for Success

- Research
- Evaluation
- Data interpretation
- Communication
- Critical thinking

Summer Preparation

- Explore psychological studies and experiments
- Watch documentaries about human behaviour
- Read articles about mental health and wellbeing
- Consider how psychology influences everyday life

Useful Resources

- Simply Psychology
- British Psychological Society
- Tutor 2u Psychology

Summer Challenge

Keep a seven day diary of examples of social influence and explain how people's behaviour is affected by others

Career Spotlight

Clinical Psychologist | Educational Psychologist | Counsellor | Occupational Psychologist | Mental Health Practitioner



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Sociology

What Will I Study and Why?

Sociology explores how society influences people's lives and examines issues such as education, families, crime, culture and inequality. You will investigate different sociological perspectives and consider how social structures shape behaviour and opportunities.

Sociology develops an understanding of contemporary society while building strong analytical, evaluative and communication skills. It supports progression into social work, teaching, policing, public services, journalism and many other professions.

Skills for Success

- Analysis
- Evaluation
- Essay writing
- Research
- Communication

Summer Preparation

- Follow current affairs and social issues
- Watch documentaries about contemporary society
- Explore different viewpoints on social problems
- Read articles discussing education, crime or inequality

Useful Resources

- Sociology Central
- BBC News
- Tutor 2u Sociology

Summer Challenge

Investigate a social issue affecting young people today and present your findings in a one page report.

Career Spotlight

Social Worker | Teacher | Police Officer | Youth Worker | Journalist



A Sixth Form **focused on success**

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com





Sport

What Will I Study and Why?

Sport explores performance, fitness, coaching, anatomy, physiology and sports psychology. You will investigate how the body responds to exercise while developing an understanding of training methods, performance improvement and the wider sports industry.

Sport provides an excellent foundation for careers in coaching, teaching, physiotherapy, sports development and fitness. It develops practical knowledge alongside valuable communication, leadership and teamwork skills.

Skills for Success

- Leadership
- Teamwork
- Communication
- Self-motivation
- Analysis

Summer Preparation

- Follow sporting events and developments
- Learn about fitness and training methods
- Explore careers within sport
- Consider how athletes prepare for competition

Useful Resources

- BBC Sport
- UK Sport
- Sport

Summer Challenge

Create a one-week training programme for a chosen sport and explain how each session contributes to performance improvement.

Career Spotlight

Sports Therapist | PE Teacher | Coach | Sports Development Officer | Fitness Instructor



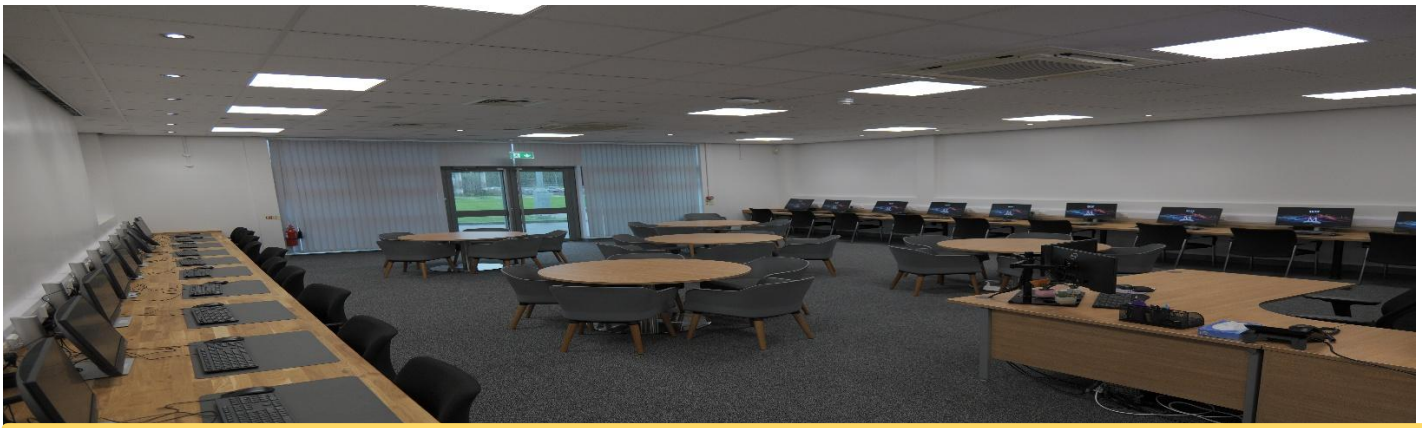
A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lhoolbrook@madeleyacademy.com





Preparing for Enrolment

Congratulations on completing your GCSE studies and choosing to continue your education at Madeley Academy Sixth Form.

Before September, make sure you:

Results Day

- ✓ Attend Results Day and collect your GCSE results.
- ✓ Confirm your enrolment and subject choices by attending Madeley Academy on the day.

Equipment Checklist

- ✓ Lever arch folder for each subject
- ✓ Lined paper and dividers
- ✓ Pens, pencils and highlighters
- ✓ Scientific calculator (where appropriate)
- ✓ Access to a laptop or digital device for independent study

Getting Ready for Success

- ✓ Complete at least one summer challenge for each subject.
- ✓ Explore career pathways linked to your courses.
- ✓ Organise a quiet study space at home.
- ✓ Develop positive study habits.
- ✓ Read around your subjects.

Most importantly, enjoy your summer, celebrate your achievements and return in September ready to embrace the opportunities and challenges that Sixth Form will bring.

We look forward to welcoming you to Madeley Academy Sixth Form and supporting you on the next stage of your journey towards university, apprenticeships and future careers.



A Sixth Form focused on success

01952 527700

www.madeleyacademy.com

lholtbrook@madeleyacademy.com



A Sixth Form **focused on **success****

01952 527700

www.madeleyacademy.com

lholbrook@madeleyacademy.com

