

# Boroughmuir High School - Interdisciplinary Learning (IDL) - Unifying Themes Introduction



Scotland curriculum - Curriculum for Excellence (CfE) helps our children and young people gain the knowledge, skills and attributes needed for life in the 21st century.

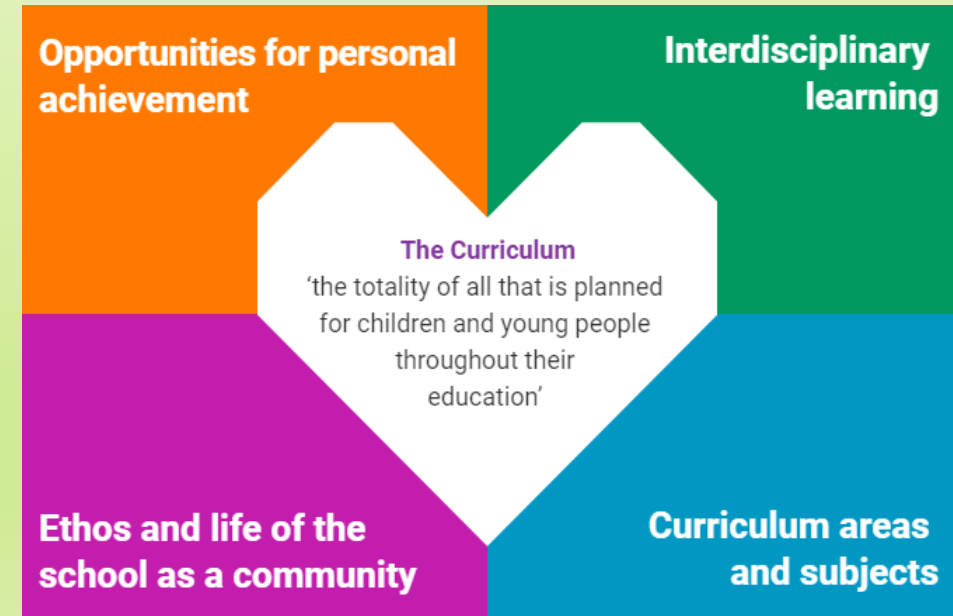
**Interdisciplinary Learning (IDL)** - provides opportunities that enable children and young people to **make connections** between different areas of learning. IDL should be **stimulating, relevant and challenging**. Revisiting a **concept or skill** from **different perspectives deepens understanding** and can make the curriculum more coherent and meaningful for learners.

It can take advantage of opportunities to work with partners who are able to offer and support enriched learning experiences and opportunities for young people's wider involvement in society.

Effective interdisciplinary learning:

- can take the form of **individual one-off projects** or **longer courses** of study
- is planned around clear purposes
- is based upon experiences and outcomes drawn from different curriculum areas or subjects within them
- ensures **progression in skills** and in knowledge and understanding
- can provide opportunities for mixed stage learning which is interest based.

IDL can support aspects of **Learning for Sustainability** to enable young people to understand and support the wider communities to build a socially-just, sustainable and equitable society.



<https://scotlandscurriculum.scot/>

Boroughmuir High School - Interdisciplinary Learning S1 Unifying Themes - These *Unifying Themes* show connections between concepts experienced by S1 pupils across the curriculum. These can be used for inspiration for IDL projects and should be used in conjunction with the Skills document.



### Communication

Programming Micro Bits  
 Multimedia for web design  
 Workshop Safety  
 Algebra 1: Algebraic Expressions  
 Mime and Movement  
 Describing People  
 Critical Essay, Creative Writing  
 Algebra 2: Solving Equations  
 Persuasive Writing  
 Introductions  
 Bullying  
 Know Your Food  
 Numbers and Number Processes  
 Multiples & Factors  
 Kitchen Skills, Safety and Hygiene  
 Algebra 3  
 Free Time  
 Musical Literacy, Listening Skills  
 Respect and Tolerance  
 Communication

### Natural World

Rivers and Map Skills  
 Body Systems  
 Heat  
 Environmental Issues  
 Substances and Matter  
 Statistics

### Community

Faces of Boroughmuir  
 Story Building (Roles and Roleplay)  
 Research and Information Skills  
 Environmental Issues  
 Winter Festivals  
 The Romans  
 Free Time, Introductions  
 Motivation  
 Democracy and You  
 Settling In  
 History of Objects  
 Entrepreneurial Challenge  
 Careers  
 Responsibility and Leadership  
 Respect and Tolerance  
 Communication

### Scale and Construction

Web Design  
 Spatula  
 Rivers and Map Skills  
 Perspective  
 Perimeter and Area  
 Card Mechanism and Design  
 Key Fob  
 Atlas Skills and Development  
 Textiles and Technology  
 Percentages and Decimals

### Controversy

Critical Essay  
 Drugs Investigation  
 Persuasive Writing  
 History of Objects  
 Belief in Action  
 Bullying  
 Communication

### My Identity

Autobiography, Creative Writing  
 Careers, Young Carers  
 Motivation  
 Describing People  
 Our Diverse World  
 Responsibility and Leadership  
 Confidence and Self-esteem  
 Determination and Resilience

### Digital World

Introduction to Office 365  
 Digital Literacy  
 Creation Myths  
 Multimedia  
 Research and Information Skills  
 Programming Cozmo/Microbits  
 Web Design, Games Design  
 Statistics

### Shape

Faces of Boroughmuir  
 3D Shape and Volume  
 Integers z& Coordinates  
 Art Deco Design Study  
 Tiling and Symmetry  
 Card Mechanism and Design  
 Mime and Movement  
 Perimeter and Area  
 Angles  
 Fractions and Percentages  
 Practical Skills

### Sustainability

Cyber Resilience  
 Close Reading Skills  
 Animal Rights  
 Non Fiction Reading  
 Environmental Issues  
 IDL - Hermitage/Royal Mile  
 Democracy and You  
 Creation Myths  
 Self-esteem  
 Our Diverse World  
 Know Your Food  
 Responsibility and Leadership  
 Respect and Tolerance  
 Communication

Boroughmuir High School - Interdisciplinary Learning S2 Unifying Themes - These *Unifying Themes* show connections between concepts experienced by S1 pupils across the curriculum. These can be used for inspiration for IDL projects and should be used in conjunction with the Skills document.



**Communication**

Programming and Games  
 Programming  
 Critical Essay  
 Creative Writing  
 The Rise of the Nazis  
 Algebra 4, 5, 6  
 Scientific Notation  
 Towns and Cities  
 Holidays  
 Media  
 Food and Shopping  
 Musical Literacy  
 Respect and Tolerance  
 Communication

**Shape**

Span the Gap  
 Fractions, 2D Shape, Circles,  
 Pythagoras, Pattern  
 Practical Skills  
 Racket Sports  
 Scottish Country Dancing  
 Swimming

**Sustainability**

Economics and Business  
 Climate Regions  
 Developing Healthy Choices/Nutrition  
 Contemporary Food Issues  
 IDL - Hermitage/Royal Mile/Dynamic  
 Earth  
 Topical Science  
 Probability  
 Equalities  
 Exploring Ethics, Human Rights  
 Responsibility and Leadership  
 Respect and Tolerance  
 Communication

**Digital World**

Media and Culture  
 Probability, Scientific Notation  
 Media  
 Listening Skills  
 Cyber Bulling  
 Web Development

**Scale and Construction**

Programming and Games  
 Programming  
 Graphics Orthographics etc.  
 Span the Gap  
 Putting on a show (Devising)  
 Ratio and Proportions  
 Scale Drawings and Bearings  
 Percentages  
 Art Deco Clock

**My Identity**

Fighting with my family (Scriptwork)  
 Developing Healthy Choices/Nutrition  
 Junior Chef  
 My Identity, Home  
 Practical Skills  
 Rachel Miller's Diary, Study Skills  
 Careers, Course Choices  
 Life after Death, Big Questions  
 Morality  
 Cells and Inheritance  
 Responsibility and Leadership  
 Confidence and Self-esteem  
 Determination and Resilience  
 Motivation

**Community**

Economics and Business  
 Fighting with my family (Scriptwork)  
 China Land of Contrasts  
 The End of WWII and Cold War  
 Media and Culture  
 Junior Chef  
 Distance, Speed and Time  
 Towns and Cities, Holidays  
 Home, Food and Shopping  
 After School  
 Team Games, Athletics  
 Equalities. Young Carers  
 Life after Death  
 Inspiring Purpose  
 Careers, Cyber Bulling  
 Relationships  
 Heartstart Training (First Aid)  
 Responsibility and Leadership  
 Respect and Tolerance  
 Communication  
 Motivation

**Crime/Controversy**

Fake News  
 Murder at Lock Esk  
 (Characterisation)  
 Critical Essay  
 China Land of Contrasts  
 The Rise of the Nazis  
 The Holocaust  
 Terrorism in Society  
 Crime and the Law  
 Alcohol  
 Big Questions  
 Communication

**Natural World**

Volcanoes and Earthquakes  
 Climate Regions  
 Contemporary Food Issues  
 Electricity, Cells and Inheritance  
 Chemical Reactions  
 Space and Forces  
 Light and Radiation  
 Expressive Landscape



Creativity  
Presentation  
Listening Talking  
Empathy Evaluation Responsibility  
Writing  
Dexterity  
Reading  
Criticality Comprehension  
Understanding  
Analysis Debate Persuasion  
Adaptability  
Research Controversy  
Team work



Application Analysis  
Problem Solving Design  
Reading Problem Solving Listening  
Choreography Application  
Writing Shape  
Dexterity Talking  
Technique Adaptability Design Analysis  
Adaptability Dexterity  
Evaluation



Time Management Talking Persuasion  
**Problem Solving**  
Understanding Comprehension  
**Entrepreneurship** Writing  
Criticality Analysis Dexterity Presentation Debate  
**Sustainability**  
Empathy Reading Team-work Listening  
Research **Creativity**  
Responsibility



Evaluation • Dexterity  
Reading Perspective Talking  
Presentation Writing Application  
Debate Analysis **My Identity**  
Research Listening Comprehension  
Adaptability Responsibility Criticality  
Technique  
Creativity Resilience Time Management



Empathy Responsibility Technique Presentation  
Evaluation Comprehension  
Reading  
Entrepreneurship Choreography  
Research Evaluation Dexterity Listening  
Writing Criticality Community Adaptability  
Application  
Community Appreciation Construction  
Analysis Team-work  
Debate Design Creativity  
Understanding Time Management Persuasion Talking





Problem Solving  
Design Graphics  
Analysis **Adaptability** Talking  
Writing Application Comprehension Understanding  
**Digital World**  
Responsibility Abstract Thinking Coding Criticality  
Reading **Coding** Debate  
Listening Digital World Evaluation Research  
Digital Literacy  
Empathy



Comprehension  
Map Skills  
Responsibility  
Presentation  
Listening  
Writing  
Adaptability  
Analysis  
Team-work  
Problem Solving  
Research  
Reading  
Dexterity  
Natural World  
Application  
Talking  
Problem Solving  
Criticality  
Evaluation  
Responsibility  
Design  
Research



Talking Map Skills

Reading Design Analysis

Dexterity Graphics Adaptability  
Digital Literacy Application

Listening Scale and Construction

Evaluation Perspective Creativity Team-work  
Research

Criticality Construction Writing  
Responsibility

Scale and Construction Problem Solving  
Presentation



Justus et Tenax

Communication

Problem Solving

Comprehension

Responsibility

Coding

Reading

Writing

Research

Application

Design

Resilience

Analysis

Empathy

Evaluation

Talking

Criticality

Understanding

Dexterity

Presentation

Listening

Creativity

Adaptability

Appreciation

Musical Literacy

Digital Literacy

Persuasion