



# BEIS YAAKOV JEWISH HIGH SCHOOL ACADEMY

## Secular Academic Curriculum – Core Schema of Knowledge 2025-26

Over five years, our pupils experience a full three years of the National Curriculum across KS3 (Y7-9) and an individually tailored educational pathway at KS4

Every subject on our curriculum focusses on core disciplinary knowledge to enable our students to receive a full education of depth and breadth, enabling and equipping them to navigate the world and succeed at GCSE. These core schema of knowledge are mapped across the five year of a student's experience in these subjects.

| Subject            | Core Knowledge                    |                                             |          |                                         |            |             |                               |        |                      |                |
|--------------------|-----------------------------------|---------------------------------------------|----------|-----------------------------------------|------------|-------------|-------------------------------|--------|----------------------|----------------|
| Science            | Biology                           |                                             |          | Chemistry                               |            |             | Physics                       |        |                      |                |
|                    | Organisms                         | Ecosystems                                  | Genes    | Matter                                  | Reaction   | Earth       | Waves                         | Forces | Energy               | Electromagnets |
|                    | Working Scientifically            |                                             |          |                                         |            |             |                               |        |                      |                |
| Maths              | Number                            | Algebra                                     | Geometry | Ratio and Proportion                    | Statistics | Probability | Problem Solving               |        |                      |                |
|                    | Numeracy                          |                                             |          |                                         |            |             |                               |        |                      |                |
| English Language   | Reading                           |                                             |          | Writing                                 |            |             | Speaking and Listening        |        |                      |                |
|                    | Literacy                          |                                             |          |                                         |            |             |                               |        |                      |                |
| English Literature | Literary Heritage                 |                                             |          | Contemporary Fiction                    |            |             | Fiction from Around the World |        |                      |                |
| History            | Understanding of the Modern World |                                             |          | Understanding how the Nation was shaped |            |             | Historical Enquiry            |        |                      |                |
| Geography          | Sense of Place and Scale          | Understanding of Human and Physical Process |          | Interaction                             |            | Change      | Sustainability                |        | Geographical Enquiry |                |

|                             |                                                         |                            |                                                                |                                  |                                               |                                   |                     |  |
|-----------------------------|---------------------------------------------------------|----------------------------|----------------------------------------------------------------|----------------------------------|-----------------------------------------------|-----------------------------------|---------------------|--|
| MFL – Modern Hebrew and     | Language identification                                 |                            | Language acquisition                                           |                                  | Language production                           |                                   | Grammar application |  |
| Biblical Hebrew             | Vocabulary                                              |                            |                                                                | Grammar                          |                                               |                                   | Literature          |  |
| Art                         | Formal elements and principles of visual art and design | Colour theory and practice | Context of different art                                       | Media and styles experimentation | Art culture, movements, and contextual theory | Art technique and application     |                     |  |
| Design Technology: Textiles | Textile Elements                                        | Investigate                |                                                                | Design and Plan                  | Make                                          | Evaluate                          |                     |  |
| Design Technology: Food     | Healthy Eating                                          |                            | Where food comes from                                          |                                  |                                               | Cooking                           |                     |  |
| PE                          | Motor competence                                        |                            | Sports rules, strategies, and tactics                          |                                  |                                               | Healthy participation and fitness |                     |  |
| Music                       | Technical expression through performance                |                            | Musical components: elements and the components of composition |                                  |                                               | Creative thought and expression   |                     |  |
| Computing                   | Responsible use and digital literacy                    | Data Representation        |                                                                | Computational thinking           | Constructs                                    |                                   | Computer Systems    |  |
| Business Studies            | Purpose and nature of a Business                        | Influences on a Business   | Business operations                                            | Human resources                  | Marketing                                     | Finance                           |                     |  |
| Citizenship                 | Active citizenship                                      |                            | Political participation                                        |                                  | Rights                                        |                                   | Responsibilities    |  |
| Health and Social Care      | Relationships                                           |                            | Growth and Development                                         |                                  |                                               | Care values                       |                     |  |