	Overview of AILO Learning Outcomes linked to Junior Cert (JC) Curricula, JC Key Skills & Statements of Learning (SoL) and the PISA Problem Solving Competencies (2014/7)						
Students learn about	**JC Key Skills**	**JC Modern Foreign Languages**	**JC Coding**	**JC Maths**	**JC Statement of Learning**	**PISA**	**Students should be able to:**
Developing a positive disposition towards investigating, reasoning and problem-solving	✓		✓	✓	SoL 15	✓	1 Discuss the importance of problem-solving skills as a key component in a STEM career.
Seeing patterns and trends in language	✓	✓		✓	SoL 2, 15, 16	✓	2 Recognise patterns in language that make a language rule e.g. the 'code' of the language.
Tackling linguistics puzzles in unfamiliar languages	✓	✓		✓	SoL 17	✓	3 Complete logic & AILO puzzles
Problem solving strategies for each of the 6 types of AILO puzzle	✓	✓	✓	✓	SoL 17	✓	4 Understand when and how to use tables and charts to decipher data for each problem type (number systems, semantics, writing systems, phonetics, syntax, morphology.)
Gathering, interpreting and representing data	✓	✓	✓	✓	SoL 1,18	✓	5 Describe the observations they made about the language with concise and complete rules.
Expressing ideas clearly and accurately	✓	✓		✓	SoL 1	✓	6 Monitor and reflect on language and how it affects their own language learning.
Collaborative problem-solving techniques (Round 2, IOL)					SoL 17	✓	7 Work as a team and reflect on their role in the team (Round 2, IOL)