Going Beyond the Curriculum in Science

Group	Science	Biology	Chemistry	Physics
Y7	1. Visit the National Space Centre 2. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All). 3. Zoo trip 4. Big Bang Science Fair 5. Thinktank Planetarium (JHU)			
Y8	1. CSI Day (FAH) 2. Teach some topics to GCSE level (All) 3. Visit the Lapworth Museum 4. Chedder Gorge trip 5. Think Tank Planetarium 6. Y8 Big Quiz @ UoB			
Y9		1. Include A-level detail in some topics that repeat at A-level (All) 2. Cover topics at GCSE level (All) 3. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 4. Trip to Botanical Gardens	1. Include A-level detail in some topics that repeat at A-level (All) 2. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 3. RSC Top of the Bench Competition (MBI)	1. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 2. Include A-Level detail in some topics that repeat at A-Level (All)
Y10		1. The Biology Challenge (TSA) 2. Field work at Handsworth Park (All) 3. West Midlands Safari Park (JHU) 4. Include A-level detail in some topics that repeat at A-level (All)	1. GCSE Science Live (SPA) 2. Include A-level detail in some topics that repeat at A-level (All)	1. Physics Challenge 2. GCSE Science Live (SPA) 3. Include A-level detail in some topics that repeat at A-level (All)

		5. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 6. GCSE Science Live (SPA)	3. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 4. RSC Top of the Bench Competition (MBI)	4. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All)
Y11		1. Include A-level detail in some topics that repeat at A-level (All) 2. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All)	1. Include A-level detail in some topics that repeat at A-level (All) 2. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 3. RSC Top of the Bench Competition (MBI) 4.	1. Include A-level detail in some topics that repeat at A-level (All) 2. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All)
Y12		1. Fieldwork at Cannon Hill Park (FAH) 2. Residential Trip to Wales (FAH) 3. Enter select students for the **Biology Olympiad Competition** 4. Incorporate questions and concepts from the **Biology Olympiad Competition** into our lessons as a stretch & challenge (All) 5. Teach some topics in more detail than is proscribed in the current spec (All) 6. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All) 7. Use of **Super Curriculum** (All). 8. Winterbourne Gardens trip (treasure hunt)?	1. RSC Chemistry Olympiad (MBI) 2. Cambridge Chemistry Challenge (MBI) 3. Encouraging students to read Chem review (All) 4. Use of past paper Chemistry Olympiad & Cambridge Challenge questions (All) 5. A level chemistry Live 6. Possible trips 7. Use of **Super Curriculum** (All).	1. Physics Challenge 2. Physics Olympiad 3. Use of **super curriculum** to set summer work between Years 12 and 13 (All) 4. IRIS research project 5. Use of Isaac Physics questions (All) 6. Use of past paper Physics Olympiad questions (All) 7. A Level Physics live 8.
Y13		1. PCR workshop at Think Tank (JHU) 2. Incorporate questions and concepts from the **Biology Olympiad Competition** into our lessons as a stretch & challenge (All) 3. Teach some topics in more detail than is proscribed in the current spec (All) 4. Use real-world examples to help students understand (and relate) topics and concepts in the curriculum (All)	1. RSC Chemistry Olympiad (MBI) 2. Use of past paper Chemistry Olympiad & Cambridge Challenge questions (All)	3. A Level Physics live 4. Physics Olympiad 5. Use of Isaac Physics questions (All) 6. Use of past paper Physics Olympiad questions (All)