**Contact details**

|  |  |
| --- | --- |
| Name of school |  |
| Teacher name  |  |
| Email address |  |
| Technician name |  |
| Email address |  |
| First point of contact | Name: Phone: |

**Planning – please suggest two dates for start of kit loan**

|  |  |
| --- | --- |
| Dates of kit loan | 1st choice:2nd choice: |
| **Please select:** Standard kit OR MiniOne kit:  |
| **Practical activities planned** | **Year group** | **Intended no. of students** | **Initial risk assessment undertaken**  |
| 1 – Some tools of the trade |  |  |  |
| 2 – Beginning to clone a gene |  |  |  |
| 3 – Building a recombinant plasmid |  |  |  |
| 4 – Verifying pARA-R is present using PCR |  |  |  |
| 5 – Checking you’ve created a recombinant plasmid |  |  |  |
| 6 – Inserting recombinant plasmids into bacteria |  |  |  |
| 7 – Correlating DNA fragment size (genotype) withphenotype |  |  |  |
| 2a – Examining the engineered plasmid pARA-R using restriction digestion |  |  |  |
| 4a – Examining the engineered plasmid pARA-R using PCR |  |  |  |
| 5a – Verifying the engineered plasmid pARA-R |  |  |  |
| 6a – Inserting recombinant plasmids into bacteria  |  |  |  |
| 7a – Correlating DNA fragment size (genotype) with phenotype |  |  |  |
| 9 – DNA profiling |  |  |  |
| Orangutan |  |  |  |

**Please return to stem@herts.ac.uk**