

## Job Description: Science Curriculum Lead

**Reports to:** Science Director

**Location:** Home based

**Salary:** £48 000 – £58 000 per annum, depending on experience (+11% employer pension contribution)

**Contract:** 0.6 – 1.0 FTE. 12-month contract (maternity cover)

### The role

The science curriculum lead for secondary will be responsible for planning, writing and disseminating curriculum resources in partnership with the subject community, lead curriculum design in collaboration with the Science Director and then take ownership for bringing the Science Mastery curriculum to life via the highest quality teacher learning and classroom resources.

Science Mastery operates as part of the Ark family and as such supports science education across the Ark network. The postholder will have responsibility for the quality of Ark science teacher training and the creation and management of centralised assessments. The post-holder will take responsibility for the analysis of the data we collect about students' progress in science and will own, with the Science Director, the strategic response that enables our students to make even better progress.

The postholder will often have flexibility in terms of working locations and timing but will need to be available for meetings and school visits as required. They will expect to spend some time visiting schools around the network and specified days such as training days will be compulsory. Time will also be spent initiating and building strategic relationships within the organisation and with third parties in person and online.

### Science Mastery

Science Mastery is a full package of brand-new lesson and assessment resources for secondary science, that are embedded within a CPD suite that supports the delivery of world-class science learning. We are developing the curriculum architecture from first principles and thinking through every element of science education to create something really special. We are working with experts across education to ensure that teachers have access to the best resources and thinking. Schools are supported at every step of the way and the curriculum is constantly tested and reiterated to make sure it is meeting the needs of schools.

We are now growing the team to support the ongoing development of Science Mastery resources: synthesising feedback from rigorous testing; quality assuring resources; reiterating our provision and developing documents to guide teachers and technicians to effectively use resources from other expert providers.

We are piloting in Ark schools in year 7. Teachers are supported to develop their practice and trained in how to plan and teach their lessons using the resources we are creating. Training is ongoing and supported by resources to help structure teachers' thinking. We spend lots of time working closely with science teachers and develop a bespoke suite of training.

### Key Responsibilities:

- Create, test, implement and review lesson and teacher training resources for Science Mastery and Ark schools.
- Create, test, implement and review centralised assessment resources for Ark schools.

- Review current education research and best practice in Ark and other schools to design effective science curriculum resources, ensuring that the strategy is in line with sector expectations in the UK and globally.
- Lead a team of writers to produce medium-term, short-term and day-to-day classroom and teacher learning resources. Give feedback and QA all resources to ensure high quality and consistency.
- Work with subject communities to test and review resources produced in a pilot.
- Manage a small, remote team of writers and be part of the ongoing recruitment and development of the Science Mastery writer team.
- Undertake termly evaluation activities of teacher practice in Ark schools, using the tools you create to probe and check the effectiveness of science education, providing recommendations to senior leaders to ensure stronger outcomes. Liaise effectively with regional lead teachers and school leaders to ensure that recommendations are understood.
- Analyse and report on external examination data and propose strategies for further improvement.
- Build and maintain relationships with Ark schools through school visits and regular communication.
- Facilitate CPD sessions for schools within the programme and for the whole network when appropriate.

### Person Specification

#### Essential

- QTS and at least 5 years secondary school science teaching experience in the state sector
- Proven track record of improving outcomes for disadvantaged students
- Successful secondary science subject leadership in a leadership or advisory capacity
- Successful experience of designing and leading secondary science teacher professional development
- Excellent knowledge of the current science qualification landscape and the ability to analyse and report on external examination data
- A commitment to ongoing personal learning and an excellent knowledge of the current issues in science education
- Curriculum resource writing experience, that has led to the creation of effective, engaging resources for more than one school
- Exquisite attention to detail and experience of quality assurance and editing of the work of others

#### Desirable

- Master's Degree or higher in a relevant field (Teacher Education/Science Education)
- Operational and strategic experience of programme evaluation activities and reporting to senior leaders
- Strategic relationship skills and an extensive professional network
- Leadership of a remote team