

## **Teacher of Science and STEM Development Ambassador**

**Pay scale – Lead Practitioner 14 – 18 on John Mason Academy Trust scale**

**Teacher loading 30 hours**

### **Roles and Responsibilities**

#### **Inspire creative learning**

- To teach science throughout the key stages as directed by the Director of Science.
- To develop the creative learning environment of the science faculty in conjunction with the science team and Director of Faculty.
- To stimulate creative thinking for the science department, sharing and developing schemes of learning.
- To support the Director of Faculty in developing the quality of teaching to promote a love of learning and raise achievement in science.
- To create an innovative 'buzz' around our science faculty, co-ordinating STEM extra-curricular activity.
- Lead, develop and manage on project based delivery methods to enhance and develop STEM skills in our learners

#### **Build STEM community links**

- To create and deliver STEM activities for our feeder primary schools, as part of our outreach work.
- Participate in the planning and delivery of STEM professional development sessions for the school and other key stakeholders
- Co-ordinate the involvement of John Mason School in local STEM festivals, such as 'ATOM'
- To maximise our use of community resources at Abingdon School and other local providers (AWC, UTC) for the good of learning at John Mason School .
- To utilise and build strong working relationships with the science rich industry on our doorstep in the development and delivery of STEM activities for students, primary schools and teachers.
- Generate ideas for, and organising business focused seminars, workshops, CPD courses, and other events for industry in the networks of STEM Centres
- Visit schools, colleges and other agencies and organisations to promote STEM events and activities

#### **Broaden STEM Enrichment**

- To create, plan and deliver inspiring STEM activities for students at John Mason School.

- Lead STEM enrichment and extra-curricular program to include leading the planning of trips, workshops and developing and promoting STEM club and CREST award activities.
- Lead and manage students to prepare for and succeed in local and national competitions with a STEM focus

#### **Innovation and Evaluation**

- Lead on securing sources of funding for new STEM projects, resources and activities. Liaise with funding bodies and partners and write bids to secure the funding
- Coordinate the monitoring and reporting of impact from the network of STEM activity; set up research projects as required to identify the impact of the school's investment in STEM
- To manage the STEM budget, measuring impact and reporting to the governing body
- Undertake any other reasonable duties in support of the learning function and the efficient operation of STEM activities at John Mason School

#### **Committees and Membership of:**

- STEM Lead
- Middle Leadership Team
- Associate Senior Leader
- Learning Leadership