

# THE KINGS LANGLEY STEM LEARNING JOURNEY

*"Enjoy failure and learn from it. You never learn from success."*  
James Dyson.



Apply to study STEM at college level to gain a qualification and progress into the industry



Complete written examination A level in Design and Technology or Fashion and textiles



Attend a holiday STEM activity



Develop skills: working with real companies

Consider STEM subjects as GCSE options



Learn to allocate and delegate jobs



Working in teams sharing a practical work area and equipment

IF YOU WERE AN ENGINEER WHAT WOULD YOU DO?



Attend a holiday STEM activity



Forge and develop friendships that will last a lifetime



Kings Langley Transition Programme. Visit the school and meet your Form Tutor Experience a STEM taster lesson



Sit SATS in Y6

Take an interest in the world around you.



Meet our SLT and Pastoral leads through Y6 interviews

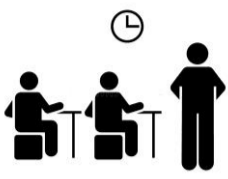


UNLOCKING POTENTIAL FOR LIFE

Apply for and work in a job/internship/apprenticeship in a STEM industry to progress learning and develop a career path

Study hard for you're STEM A levels

**Year 12/13**



Complete written examination in GCSE STEM subjects



Revise hard for your mock examinations



Begin to produce revision materials and prepare for GCSE assessments

Attend A level options evening, try a STEM taster lesson.

Show a responsibility for your learning by attending catch up/revision after school sessions

Ask STEM subject teachers for information about STEM careers



Develop an excellent understanding of STEM subject knowledge and skills



Working in partnerships during STEM in action fortnight to learn high level skills

Take Year 9 written and practical assessments

**YEAR 10**

Arrange a careers interview to discuss STEM possibilities

Enter Young Chefs STEM Rotary competition

In PSHE discuss STEM opportunities

Work experience. select a STEM area of work to try out



Take part in the TSEM challenge Fair Progress to the Big Bang competition



Gain a crest award



Teamwork – work with your form to complete the STEM quiz



Volunteer to help out at Open Evening as a guide or represent STEM in school



Take Year 8 written and practical assessments

Junior Maths challenge



Developing responsibility and organisational skills: MBDA MISSILE SYSTEMS



**YEAR 9**

STEM: 3D printing

Write an article for the schools STEM magazine



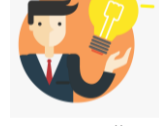
Join a STEM club

Enter a STEM Rotary competition



Enter the STEM Fair competition individually or in groups

Become a School STEM Leader



Learn about the school's Character program and apply it to working in the Design and Technology workshops classroom

Empathy  
Stickability  
Self-regulation



STEM fortnight Cross curricular links: Art, Maths, English



Support others in developing their skills

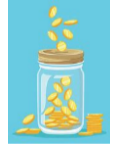


Take Year 7 written and practical assessments in STEM subjects

Actively seek Out STEM rewards



Join a STEM club



Raise money for STEM in action fortnight

STEM: Careers in the DT industry

Get involved in the STEM fair challenge



**YEAR 7**

Attend Summer School

Enter a STEM competition



Apply for a place at Kings Langley



Develop an interest in STEM



Start your journey of discovery of STEM and develop a lifelong love of learning