

Year 11 Architecture Curriculum

Autumn Term 2018-19



Curriculum Content	Assessment	What homework will they have?	I'm not an expert, so how can I help?
<p>What will my child be studying this term?</p> <ul style="list-style-type: none"> • How can buildings be improved to make more efficient in terms of light and energy use? • What alternative lighting can be used within buildings and how much would be needed? • Which materials would be best to use within buildings to minimise environmental impact 	<p>Report on local, regional and global issues <u>September 24th</u></p> <p>Evaluate an existing building (RSC) and present ideas in terms of:</p> <ul style="list-style-type: none"> • Design • Function • How it performs • The problem that it solves • Durability • Elegance • Efficiency • How the building improves people's lives • How it benefits the community <p><u>December</u></p>	<p>Students will be mainly carrying out research to complete their assignments.</p> <p>Internet access at home would be beneficial but access is possible and encouraged in social times at school.</p>	<p>An understanding of how buildings meet needs of the community and individuals will help students. Individual research is expected to meet the highest grade expectations.</p>

Content covered:

Students have started to produce designs using REVIT of their public building. During this term, they will finish their initial concepts.

Students will model their designs and make decisions based on calculations and computer simulations about design, materials and location. Careful consideration is given to where materials are available and conclusion made to minimise carbon footprints.

Students will commence producing financial models for their buildings

Literacy and numeracy:

Each week students are expected to update their PowerPoint to show what they have learnt that week. Correct spelling and punctuation are expected within this report.

What can I do to help my child?

Additional resources and details of core texts used:

Students use an online textbook which may be accessed in school and at home. This guides them through the course. This may be found at: <http://teachers.designengineerconstruct.com/curriculum/level-2-student-workbook/>. Students have unique passwords for this site.

Teaching group arrangements:

Where can I get more advice?

Mr D Bartlett (Curriculum Leader) – dbartlett@stratfordschool.co.uk. Please include the name of your child's teacher so the message can be forwarded appropriately.