

# St Monica's R.C. High School



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Headteacher: Mrs. A.M. Hainsworth, BSc

6<sup>th</sup> December 2018

Dear Parents/Carers,

## Trip to SISK contractors – Wednesday 12<sup>th</sup> December 2018

As part of the Designing the Built Environment course we have secured an industry partnership with John Sisk & Sons. This well-established contractor will support & enhance our delivery of the course by involving students in site access, guidance from industry specialists, live project briefs & career opportunities.

**Your son/daughter's 1<sup>st</sup> site visit will be on 12<sup>th</sup> December, this will be a 1.5hr visit which starts at 2pm.** Students will be travelling by Metrolink to and from the venue and will be leaving school at 1.10pm and will be returning to school at approximately 4:30pm. Students are required to bring a packed lunch and drink with them or money to purchase food in central Manchester if preferred. I will arrange to cover Metro link travel costs. Students should wear comfortable warm clothing as some of the visit will be a tour of the building site. Safety clothing & footwear will be provided, please indicate your child's footwear size so boots can be ordered accordingly.

On Wednesday 19<sup>th</sup> December I have also arranged for representatives from SISK to visit school to run a workshop during lesson. I have attached my recent meeting notes & plans so you have an overview of events coming up. This will be an ongoing partnership and many more events will be arranged to engage & support students in their built environment studies.

**Please return the attached form as confirmation for your son/daughter to attend the trip by Friday 7th December.**

A packed lunch can be provided if your child receives free school meals, please indicate this requirement on the reply slip attached.

If you have any further questions, please do not hesitate to contact me by email [a.gates@stmonicas.co.uk](mailto:a.gates@stmonicas.co.uk)

Yours faithfully

Mrs A.Gates  
Head of Art & Technology

## SISK & St.Monica's Planning Meeting Minutes 30.Nov.18

Meeting Point	Content	Task	Needed from SISK	Needed from Monica's
Visits to site	Student intro & engagement with SISK Real life experience & future goals	Students to visit site on Wed 12 <sup>th</sup> & 19 <sup>th</sup> Dec split groups Arrive at site 2pm leave site 3.30pm Intro to SISK Viewing platform Tour of site	Risk assessment Boots/hats	X 2 staff members for each visit Risk assessment & consent for trip & photos Boot sizes of staff & students Letter to parents Students own clothes Metro tickets in advance Leave school at 1.10pm
Visits to school	AC2.2 describe how utilities are distributed to the built environment Utilities · Electricity · Gas · Water · Waste · Communications AC2.3 explain how infrastructure affects design Infrastructure · Utilities · Services · Terrain	SISK staff to visit school on Wed 12 <sup>th</sup> & 19 <sup>th</sup> Dec split class alternated with trip to site (same workshop twice)  Lesson starts 2pm & finishes at 3pm	Key personnel to deliver interactive workshop on content  Examples of drawings & building reports  Possible task using design drawings for students to see impact of infrastructure on design	Notify office of visitors – additional teacher??
Lecture style presentation	AC1.3 explain planning consent considerations for construction projects Planning consent considerations · · Ownership · · Protection orders	Lecture style presentation on content  Possible break off point at end	Key personnel to deliver content & Q&A time for discussing briefs	Book Hub theatre Arrange ICT, screen & seats out

	<ul style="list-style-type: none"> <li>• · Utility restrictions</li> <li>• · Neighbours</li> <li>• · Proposed size and scale of development</li> <li>• · Proposed use of development</li> <li>• · Materials</li> <li>• General access</li> </ul>	<p>for students to discuss chosen design briefs with key personal from SISK</p> <p>Proposed dates: Wed 9<sup>th</sup> Jan 2-3pm (preferred) Or Thurs 10<sup>th</sup> Jan 11am – 12pm</p>	Confirmation of chosen date	
Job profile & audit document	To engage students in roles at SISK & the industry in general To help provide bespoke trips/workshops to suit student interest	Audit students' interest – plan bespoke visits	Job profiles Audit document	Plan lesson on reviewing job roles & identifying interests – share with SISK to plan ahead
Live Briefs	<p>To provide students with meaningful project work that will be monitored &amp; reviewed by professionals</p> <p><b>Aim and purpose of UNIT 2</b> <b>The purpose of this unit is for learners to develop the skills needed to use computer software to present drawings of construction designs.</b></p> <p>Unit Introduction How can I make drawings look professional? Can I draw buildings on the computer? How can I show part of a building in more detail? What does a builder need to see in a drawing that is different to the client? How do I make my drawings look real? Clients like to know what the money they are spending on a construction project will look like when it is finished. Builders need to know the detail of what they are being asked to build, including how it will be constructed. There are standards and conventions used when drawing building designs to make sure that everyone understands them. Drafting technicians and architects will use these to draw a design but planning officers, builders and clients will use them to make sure they meet building regulations and their own requirements.</p>	<p>Briefs written for students so they have a range of choice as a starting point</p> <p>Preferred Key focus' on solution based approaches for issues, functionality, enriched living experiences, sustainability, Community.</p>	<p>Briefs with SISK branding</p> <p>Incentive idea to make it competitive for students &amp; encourage creative solution based thinking</p> <p>Expectations</p> <p>Presentation of materials for most successful students</p> <p>We will start with UNIT 2 – briefs needed for this work 1<sup>st</sup> see content Support from SISK on</p>	<p>Time to review briefs with students</p> <p>Designing time in school – use of Revit</p>

	<p>Through this unit you will learn how to draw building designs. You will develop drafting skills as well as skills to use computer software. You will develop and apply mathematical techniques to ensure that your proposed building is fit for purpose. You will learn to put all of this together in a way that presents to a client what the building design will look like.</p> <p><b>Aim and purpose of UNIT 3</b>  <b>The purpose of this synoptic unit is for learners to draw on their learning related to planning potential and design of construction projects and new learning from this unit, to review options for the structures and materials need to realise construction projects.</b></p> <p>Unit Introduction  Why aren't all buildings made of stone?  Can you use any wood in a building? How come buildings don't collapse under heavy snow? How do you make wood stronger?  Do all buildings have to be constructed sustainably? Are solar panels worthwhile?  Whether planning an extension, a renovation or a new build the types of materials and structures that are used must ensure they deliver a safe and efficient building and one that meets planning requirements and financial constraints. One of the important considerations for many clients today is making a property sustainable. This could be through using sustainable materials, materials that are sourced sustainably or having a building that uses sustainable energy sources. Increasingly, use of heritage materials, structures and processes is important in the architectural design of buildings. Architects, planning officers and building contractors will be involved in advising and presenting options to clients on which materials and structures are appropriate.  Through this unit you will learn about different types of materials and structures that are used in buildings. You will learn about the factors that need to be considered to make the right choices. You will also learn about sustainable materials and processes used in construction and the effect they have on the operation of a building. Together with your learning from planning potential and design of construction projects, you will be able to review options and select the best one to take for a specific construction project.</p>		<p>design presentation &amp; progress will be helpful</p> <p>It is possible we will continue with the same brief for UNIT 3 but that will be later on in the course – support from SISK delivering some of the content can be planned in later</p>	
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For Mrs Gates

Students name.....

I give permission for my son/daughter to take part in the trip to the Sisk contractors' site, Manchester

Childs boot size.....

Please tick:

I am eligible for Free School Meal & require a packed lunch

I am happy for my son/daughter to be photographed for school/Sisk publicity purposes

If your son/daughter has any medical conditions that we need to know about in order for them to enjoy this visit, please give details at the bottom of this slip along with emergency contact details.

Signed Parent/Guardian:.....

Date.....

**Please return this form no later than the 7<sup>th</sup> December 2018.**

**Thank – you**

**Medical Conditions of student:-**

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**Emergency Contact details:**

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