



# The Winchester School

## Year 9 - Family Learning Newsletter – September 2021

SUBJECT	FOCUS	ACTIVITIES	WEBSITES
ENGLISH	<p><b><u>TOPIC – Hamlet</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>To introduce students to the play Hamlet and its relevance in the 21st century.</li></ul>	<p>Encourage your child to –</p> <ul style="list-style-type: none"><li>➤ Read the summary of Hamlet provided in the link.</li><li>➤ With your child research on any adaptation of Hamlet that was filmed or dramatized in your own country.</li><li>➤ Watch the adaptation if possible with your child.</li><li>➤ Identify and state the differences between the adaptation and the original in terms of plot, characters, setting etc.</li><li>➤ How has the shift in the language and setting affected the viewer?</li></ul>	<p><a href="http://www.sparknotes.com/shakespeare/hamlet/summary/">http://www.sparknotes.com/shakespeare/hamlet/summary/</a></p> <p><a href="https://youtu.be/KaBsQil8D2E">https://youtu.be/KaBsQil8D2E</a></p> <p><a href="https://youtu.be/OtNMjZoZNbM">https://youtu.be/OtNMjZoZNbM</a></p>
MATHS	<p><b><u>TOPIC – Number</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>Recall and apply concept of multiples, factors, prime factorisation, square numbers and roots and real numbers (rational/irrational numbers)</li></ul>	<ul style="list-style-type: none"><li>➤ Encourage your child to research on real life applications of HCF and LCM and present your work with examples.</li><li>➤ Motivate the students to create and solve word problems on calculating a percentage and percentage change based on your real-life experience.</li></ul>	<p><a href="https://www.mathsisfun.com/greatest-common-factor.html">https://www.mathsisfun.com/greatest-common-factor.html</a></p> <p><a href="https://www.bbc.co.uk/bitesize/topics/z7kw2hv">https://www.bbc.co.uk/bitesize/topics/z7kw2hv</a></p>



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	<p><b><u>TOPIC- Fraction and percentages</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• Interchange fraction, percentage and decimals.</li><li>• Solve sums on percentages and percentage change</li></ul> <p><b><u>TOPIC – Four Rules &amp; Directed Numbers</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To be able to solve sums on order of operations and directed numbers</li></ul> <p><b><u>TOPIC – Estimation</u></b></p> <p><b><u>LEARNING OBJECTIVE –</u></b></p> <ul style="list-style-type: none"><li>• Rounding whole numbers, decimals and rounding to significant figures.</li></ul>	<p>➤ Summarise their learning and make revision notes with rules and examples on rounding, directed numbers and fractions.</p>	<p><a href="https://www.mathsisfun.com/numbers/percentage-change.html">https://www.mathsisfun.com/numbers/percentage-change.html</a></p> <p><a href="https://www.mathwarehouse.com/games/our-games/arithmetic-games/number-balls/">https://www.mathwarehouse.com/games/our-games/arithmetic-games/number-balls/</a></p> <p><a href="https://www.free-training-tutorial.com/negative-numbers-games.html">https://www.free-training-tutorial.com/negative-numbers-games.html</a></p> <p><a href="https://www.bbc.co.uk/bitesize/guides/zscq6yc/revision/1">https://www.bbc.co.uk/bitesize/guides/zscq6yc/revision/1</a></p>
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BIOLOGY	<p><b><u>TOPIC- Variation and Genetics</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• Explain the importance of diversity.</li><li>• Explain the difference between continuous and discontinuous variation.</li><li>• Investigate variation within a species.</li><li>• Evaluate the importance of variation in organisms.</li><li>• Understand that offspring from the same parents may show considerable variation.</li><li>• Evaluate the importance of genetic and environmental variation to the survival of the organism.</li><li>• Explain the process of selective breeding.</li><li>• Evaluate the importance of selective breeding, and explore the ethical issues involved.</li></ul>	<ul style="list-style-type: none"><li>➤ Encourage students to create a documentary based on the importance of diversity.</li><li>➤ Dog breeders engage in selective breeding in order to improve certain dog breeds. Motivate students to create a brochure that explains this practice and why it is used.</li><li>➤ Ask students to create a poster board display that shows various dominant and recessive traits in a species. Include a cross between two of the species that shows how dominant and recessive traits are passed on to offspring.</li></ul>	<p><a href="http://www.bbc.co.uk/education/guides/z9qk87h/revision">http://www.bbc.co.uk/education/guides/z9qk87h/revision</a></p> <p><a href="http://www.educationquizzes.com/ks3/science/variation-and-classification-01/">http://www.educationquizzes.com/ks3/science/variation-and-classification-01/</a></p> <p><a href="http://www.dontstoplearning.com/ks3science/9Aa_Genetics_Inheritance_Variation.htm">http://www.dontstoplearning.com/ks3science/9Aa_Genetics_Inheritance_Variation.htm</a></p>
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PHYSICS	<p><b>TOPIC-</b> Light</p> <p><b>LEARNING OBJECTIVES-</b></p> <ul style="list-style-type: none"><li>• To understand the similarities and differences between light waves and waves in matter.</li><li>• To differentiate light wave and sound wave in terms of properties.</li><li>• Recall of reflection and refraction.</li><li>• To state laws of reflection.</li><li>• To draw accurate ray diagrams showing how an image is formed by a plane mirror.</li><li>• To differentiate curved mirrors as concave and convex mirror.</li></ul>	<ul style="list-style-type: none"><li>➤ Motivate your child to watch a video of lightning and thunder to differentiate the speed of sound and wave. Research on why sound cannot hear from sun.</li><li>➤ Encourage your child to design a KALEIDOSCOPE with available materials.</li><li>➤ Motivate your child to draw ray diagram of reflection and measure angles.</li><li>➤ Encourage your child to select a range of materials for pupils to sort into transparent, translucent or opaque groups, by shining light from a torch onto them. Establish that materials reflect or transmit different amounts of light and ask pupils to suggest what has happened to the rest of the light, developing the idea of absorption.</li><li>➤ Encourage the child to investigate how solar panels, which are the energy of future can be designed more effectively.</li></ul>	<p><a href="http://www.bbc.co.uk/education/guides/zq7thyc/revision/1">http://www.bbc.co.uk/education/guides/zq7thyc/revision/1</a></p> <p><a href="https://www.youtube.com/watch?v=C9NIDtFNVc0">https://www.youtube.com/watch?v=C9NIDtFNVc0</a></p>
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CHEMISTRY	<p><b>TOPIC</b> Kinetic Theory of Particles</p> <p><b>LEARNING OBJECTIVES</b></p> <ul style="list-style-type: none"><li>● To outline the properties of the different states of matter (solid, liquid and gas) in terms of the particle model, including gas pressure.</li><li>● To interpret the phase change graph and explain changes of state in terms of particle model.</li><li>● To draw the structure of an atom and state the properties of a sub-atomic particles of an atom.</li><li>● To calculate the sub-atomic particles of an atom of a given element.</li></ul>	<p>➤ <b>Activity:</b></p> <p>➤ Discuss with your child to compare the different states of matter using scientific key terms (example intermolecular space, intermolecular force, particle arrangement) and give suitable examples.</p> <p>➤ Encourage your child to Read the context and summarise your understanding writing at least 5 points on phase change.</p> <p>➤ <a href="https://www.bbc.co.uk/bitesize/guides/z2wmxn/revision/4">https://www.bbc.co.uk/bitesize/guides/z2wmxn/revision/4</a></p> <p>➤ Encourage your child to make a model using clay or any recycled material to show the structure of an atom, label electron, proton, neutron and discuss with them to explain why atoms are electrically neutral.</p> <p>➤ Discuss with your child about periodic table, elements discovered, man-made elements, radio-active elements, noble gases, useful transition elements, reactive group-1 elements etc and discuss their uses/application in real life.</p>	<p><a href="https://www.bbc.co.uk/bitesize/guides/z2wmxn/revision/1">https://www.bbc.co.uk/bitesize/guides/z2wmxn/revision/1</a></p> <p><a href="https://www.youtube.com/watch?v=21CR01rlmv4">https://www.youtube.com/watch?v=21CR01rlmv4</a></p> <p><a href="https://www.youtube.com/watch?v=xYU7RS0Z0U">https://www.youtube.com/watch?v=xYU7RS0Z0U</a></p> <p><a href="https://www.youtube.com/watch?v=STURzRq7LDQ">https://www.youtube.com/watch?v=STURzRq7LDQ</a></p> <p><a href="https://www.youtube.com/watch?v=h6LPAwAmnCQ">https://www.youtube.com/watch?v=h6LPAwAmnCQ</a></p> <p><a href="https://www.youtube.com/watch?v=dRfrvpVdKGM">https://www.youtube.com/watch?v=dRfrvpVdKGM</a></p> <p><a href="https://www.youtube.com/watch?v=uPkEGAHo78o">https://www.youtube.com/watch?v=uPkEGAHo78o</a></p>
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<p>ARABIC (Arabs)</p>	<p><b>مراجعة النحو-الأفعال الناسخة والحروف الناسخة- TOPIC</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <p>أن يحدد الطالب عمل الأفعال الناسخة في الجملة الاسمية -*</p> <p>أن يحدد الطالب عمل الحروف الناسخة في الجملة الاسمية -*</p> <p>أن يعرب المبتدأ والخبر بعد الأفعال و الحروف الناسخة -*</p> <p>أن يوظف الأفعال الناسخة و الحروف الناسخة في مواقف حياتية .</p> <p><b>مراجعة البلاغة- التشبيه- TOPIC</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <p>أن يتعرف الطالب التشبيه المجل -*</p> <p>أن يوضح مواطن الجمال فيه -*</p> <p>أن ينتج التشبيه المجل في جمل من إنشائه -*</p> <p><b>الإحسان إلى الوالدين- TOPIC</b></p> <p><b>LEARNING OBJECTIVES-</b></p> <p>● أن يحلل الطالب النص تحليلاً أدبياً</p>	<p>يكتب فقرة مستخدماً الأفعال الناسخة والحروف الناسخة</p> <p>يكتب نصاً وصفيّاً مستخدماً التشبيه</p> <p>يكتب موضوعاً عن بر الوالدين</p>	<p><a href="https://www.youtube.com/watch?v=wKrFbvOhTo8">https://www.youtube.com/watch?v=wKrFbvOhTo8</a></p> <p><a href="https://www.youtube.com/watch?v=FNE3yga5Piw">https://www.youtube.com/watch?v=FNE3yga5Piw</a></p> <p><a href="https://www.youtube.com/watch?v=U1dFXa3f30w">https://www.youtube.com/watch?v=U1dFXa3f30w</a></p> <p><a href="https://www.youtube.com/watch?v=ducVpswHf0g">https://www.youtube.com/watch?v=ducVpswHf0g</a></p> <p><a href="https://www.youtube.com/watch?v=gW289VrxG8E">https://www.youtube.com/watch?v=gW289VrxG8E</a></p>
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	<ul style="list-style-type: none"><li>• أن يحدد المعنى الإجمالي للنص موضعًا لفكرة الرئيسة والأفكار الفرعية</li><li>• يستنتج دلالات التعبيرات في النص</li><li>• يفسر الكلمات مستخدمًا المعجم الورقي والرقمي</li></ul> <p><b>TOPIC</b> - من تجارب الحياة-</p> <p><b>LEARNING OBJECTIVES-</b></p> <ul style="list-style-type: none"><li>• أن يحلل النص تحليلًا أدبيًا</li><li>• يفسر الكلمات مستنبطًا الدلالات التعبيرية فيه</li><li>• يستخدم الكلمات في سياقات تعزز معناها</li></ul>		
ISLAMIC STUDIES (Arabs)	<p><b>TOPIC</b> - مع الله ورسوله - السبع الموبات - النصيحة الأدب-</p> <p><b>LEARNING OBJECTIVES-</b></p> <ul style="list-style-type: none"><li>• يبين المواقف الواردة في الآيات</li><li>• يبين دلالات الحديث الشريف-</li><li>• يعلل سبب تسمية هذه الذنوب والموبات-</li><li>• يبين أهمية التناصح كواجب إسلامي-</li><li>• يستنتج معنى النصيحة</li><li>• يوضح ثمرات التناصح وأثاره على الفرد والمجتمع</li></ul>	<p>يحرص على حفظ سورة الحجرات-</p> <ul style="list-style-type: none"><li>• يكتب بحثًا عن خطورة الموبات السبع على الفرد والمجتمع-</li></ul> <p>يكتب بحثًا عن أثر النصيحة على المجتمع</p> <p>يكتب بحثًا عن كيفية الأدب مع الله ورسوله</p>	<p><a href="https://www.youtube.com/watch?v=l2jX9sd0Sp8">https://www.youtube.com/watch?v=l2jX9sd0Sp8</a></p>



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<p>ARABIC (Non- Arabs)</p>	<p><b><u>TOPIC – Environment and pollution</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To know the meaning of the environment.</li><li>• To identify the components of the environment.</li><li>• To classify the different types of environments.</li><li>• To deduce the types of environmental pollution.</li><li>• To explain the causes of air pollution.</li><li>• To discover solutions to air pollution.</li><li>• To create a report on environmental pollution</li><li>• To design an article on the environment.</li><li>• To describe how he felt about the environment.</li><li>• To compare environments (desert, coastal and mountainous)</li><li>• To discuss the types of pollution.</li><li>• To clarify the risks of contamination.</li><li>• To propose solutions to the problem of all kinds of pollution.</li><li>• To clarify the UAE's role in protecting the environment.</li><li>• To express his opinion on the problem of all kinds of waste.</li><li>•</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to design a mind map for different types of environments.</li><li>• Motivate your child to make a video about environmental pollution.</li><li>• Motivate your child to write a letter to his friend about the harms of environmental pollution.</li><li>• Create a poster about different types of environments.</li><li>• Encourage your child to design signs to protect the environment.</li></ul>	<p><a href="https://www.youtube.com/watch?v=wwVSBxDNiqY">https://www.youtube.com/watch?v=wwVSBxDNiqY</a></p> <p><a href="https://www.youtube.com/watch?v=UVAwpBxKEXA">https://www.youtube.com/watch?v=UVAwpBxKEXA</a></p> <p><a href="https://www.youtube.com/watch?v=illjkbKqyYA">https://www.youtube.com/watch?v=illjkbKqyYA</a></p> <p><a href="https://www.youtube.com/watch?v=7p36-BnFWOU">https://www.youtube.com/watch?v=7p36-BnFWOU</a></p> <p><a href="https://www.youtube.com/watch?v=oyOQz1dlgTE">https://www.youtube.com/watch?v=oyOQz1dlgTE</a></p>
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<p>ISLAMIC STUDIES (Non- Arabs)</p>	<p><b><u>TOPIC – Sincerity</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To define the meaning of sincerity in Islam.</li><li>• To explain the advantage of sincerity.</li><li>• To elucidate the concept and importance sincerity.</li><li>• To recognize the positive effect of sincerity on our lives.</li></ul> <p><b><u>TOPIC – Surat Ya-sin- 2. People of city</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To read the assigned verses in proper way</li><li>• To identify the meaning of the assigned verses.</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to create a post explaining How has the sincere and wise decisions of U.A.E rulers placed the country among the most successful nations.</li><li>• Motivate your child to create a ppt to clarify the signs of sincerity.</li><li>• Summarize the main points of the story of the city with three messengers evaluating why Allah sent more than one messenger to this city.</li></ul>	<p><a href="https://www.youtube.com/watch?v=MslLnDv9gk">https://www.youtube.com/watch?v=MslLnDv9gk</a></p> <p><a href="https://www.youtube.com/watch?v=I_Y2LvZ0he4&amp;t=38s">https://www.youtube.com/watch?v=I_Y2LvZ0he4&amp;t=38s</a></p>
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PSHCEE	<p><b><u>TOPIC – Smart Targets</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To understand what SMART targets are.</li><li>• To produce SMART targets for yourself at school for every subject.</li></ul>	<ul style="list-style-type: none"><li>• Discuss with your child the different smart targets and ask them to show you the smart targets they've done and help them to plan next steps to achieve these.</li></ul>	<p><a href="https://www.mindtools.com/pages/article/smart-goals.htm">https://www.mindtools.com/pages/article/smart-goals.htm</a></p>
MORAL EDUCATION	<p><b><u>TOPIC – The Community</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To analyse the importance of community and the importance of belonging to the community.</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to give one example of human values that govern the relationships between the group members.</li><li>• Discuss with your child your duties towards your country in terms of your role in each of the following groups: family, school, and neighbourhood.</li></ul>	<p><a href="https://www.thelifeinuktest.co.uk/study-guide/government-law-role/your-role-community.php">https://www.thelifeinuktest.co.uk/study-guide/government-law-role/your-role-community.php</a></p>
HISTORY	<p><b><u>TOPIC – Skills bank: source reading, bias and reliability</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To examine the source for bias &amp; reliability</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to create one biased and reliable report using newspaper articles</li></ul>	<p><a href="https://www.youtube.com/watch?v=95FQZhtpwcs">https://www.youtube.com/watch?v=95FQZhtpwcs</a></p> <p><a href="https://www.youtube.com/watch?v=WC1xHvxxlKw">https://www.youtube.com/watch?v=WC1xHvxxlKw</a></p>



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<p>UAE SOCIAL STUDIES</p>	<p><b><u>TOPIC –Emerging towns and oases</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>Identify and analyse the growth of iron age settlements in UAE</li> </ul>	<p><b><u>Encourage your child answer the following questions:</u></b></p> <ul style="list-style-type: none"> <li>Describe the physical landscape of UAE and explain how it has influenced the developments of settlements from the iron age.</li> <li>What role do you think the Falaj played in the settlement of people in the North-Eastern part of UAE?</li> </ul>	<p>UAE SST MOE TEXT BOOK Yr 9</p>
<p>GEOGRAPHY</p>	<p><b><u>TOPIC – Mapping Skills</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To analyse the various map skills to measure directions, identify coordinates and measure distances.</li> </ul>	<p><b><u>Assist your child to use the map of UK and measure the following:</u></b></p> <ul style="list-style-type: none"> <li>Straight line distance between Edinburgh and Cardiff.</li> <li>The length of the river Thames.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=Z_UANdp0iGQ">https://www.youtube.com/watch?v=Z_UANdp0iGQ</a>  <a href="https://www.youtube.com/watch?v=7MFF9Sa97P8">https://www.youtube.com/watch?v=7MFF9Sa97P8</a></p>
<p>FRENCH</p>	<p><b><u>TOPIC – Le monde est à toi</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>To describe the place where I live and compare it with my dream home.</li> </ul> <p><b><u>GRAMMAR:</u></b></p> <ul style="list-style-type: none"> <li>Verbs ``aller+infinitive`` future tense</li> <li>Les prépositions : ``au,du,de la, à la, à l', de l', en face etc...</li> </ul>	<ul style="list-style-type: none"> <li>Encourage your child to do regular work: 15- 20 minutes 5 times a week spent with French will guarantee good progress.</li> <li>Motivate your child to Listen together to a French radio stations while doing household chores.</li> <li>Discuss a good example trying to memorize some French vocabulary. Studying foreign languages is proven to be one of the best ways to stimulate the brain.</li> </ul>	<p><a href="http://www.youtube.com">www.youtube.com</a> (the environment, country, house)</p> <p><a href="http://www.french-games.net">www.french-games.net</a></p> <p><a href="http://www.tv5.org/TV5Site/enseigner-apprendre-francais/accueil_apprendre.php">http://www.tv5.org/TV5Site/enseigner-apprendre-francais/accueil_apprendre.php</a></p>



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	<ul style="list-style-type: none"> <li>• The pronoun “y”</li> <li>• Question formation</li> <li>• Adjectives: gender agreement and position</li> <li>• Les indicateurs de temps et de lieu ( près de, loin de...)</li> </ul> <p><b><u>VOCABULARY:</u></b></p> <ul style="list-style-type: none"> <li>• My house, my town: making descriptions</li> </ul>	<p><a href="http://www.guardian.co.uk/science/2011/feb/18/bilingual-alzheimers-brain-power-multitasking">http://www.guardian.co.uk/science/2011/feb/18/bilingual-alzheimers-brain-power-multitasking</a></p> <p>Make a list of important things in your house /apartment; what would you change in your place? If you could, would you rather do up your place or change it for a different one?</p>	<p><a href="http://energienaction.blogspot.com/p/vocabulaire.html">http://energienaction.blogspot.com/p/vocabulaire.html</a></p> <p><b>French radio stations:</b></p> <p><a href="http://www.cherie.fr">www.cherie.fr</a></p> <p><a href="http://www.rfm.fr/">http://www.rfm.fr/</a></p> <p><a href="http://www.nostalgie.fr/">http://www.nostalgie.fr/</a></p> <p><a href="http://www.voltage.fr/">http://www.voltage.fr/</a></p>
ICT	<p><b><u>TOPIC – Input devices</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"> <li>• To list various examples of Input Devices.</li> <li>• To explain different types of devices used to input information to a computer.</li> <li>• To explain the uses of different input Devices.</li> <li>• To identify advantages/disadvantages of different input Devices.</li> </ul>	<ul style="list-style-type: none"> <li>• To evaluate different input devices their uses, advantages and disadvantages (keyboards, numeric, keypads, pointing devices, mouse, touchpad, barcode readers, digital cameras, OMR, OCR, webcams, lightens etc.)</li> <li>• Demonstrate the use of each of the devices. In particular show examples of documents which make use of OCR, barcode readers. Brainstorm about the situations where each of the devices might be used.</li> </ul>	<p><a href="https://ictlounge.com/html/inputoutputdevices.htm">https://ictlounge.com/html/inputoutputdevices.htm</a></p> <p><a href="https://www.slideshare.net/simmi28/presentation-on-input-devices-31790905">https://www.slideshare.net/simmi28/presentation-on-input-devices-31790905</a></p>



# The Winchester School

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STEAM	<p><b><u>TOPIC – Smart Lighting System</u></b></p> <p><b><u>LEARNING OBJECTIVES-</u></b></p> <ul style="list-style-type: none"><li>• To explore and investigate smart lighting grids and what makes them energy efficient.</li></ul>	<ul style="list-style-type: none"><li>• Encourage your child to explore the benefits of smart lighting systems and investigate how it is energy efficient.</li><li>• Research on the Best Smart Lighting Systems for 2020. Create a presentation that shows the functions of various Smart Lighting Systems and how they are different from each other.</li><li>• Parents can help to gather the information and complete the presentation.</li></ul>	<p><a href="#">Smart lighting - Wikipedia</a></p> <p><a href="#">What is Smart Lighting Technology it's types and How does it Works? (smlease.com)</a></p>
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