

## Materials 5th and 6th classes

Click on the links below to access more information about the learning experience.

Learning Experience	Description	Link
Materials Matter	STEM Smaointe  In this activity, pupils have an opportunity to identify and investigate a wide range of common materials in their immediate environment.	<a href="https://sites.google.com/pdst.ie/stemsmainte/archived-activities/science/5th-and-6th-class#h.c60v4keqhyuz">https://sites.google.com/pdst.ie/stemsmainte/archived-activities/science/5th-and-6th-class#h.c60v4keqhyuz</a>
Budding Scientists	STEM Smaointe  In this activity, pupils will explore the properties and characteristics of different types of paper when exposed to water.	<a href="https://sites.google.com/pdst.ie/stemsmainte/archived-activities/science/5th-and-6th-class#h.c60v4keqhyuz">https://sites.google.com/pdst.ie/stemsmainte/archived-activities/science/5th-and-6th-class#h.c60v4keqhyuz</a>
Design and Make - A Chair	STEM Smaointe  This design and make task challenges pupils to apply their knowledge and skills in a creative way.	<a href="https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/stem-challenges#h.6ke6hj61m8ni">https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/stem-challenges#h.6ke6hj61m8ni</a>
Design and Make - A Musical Instrument	STEM Smaointe  This design and make task challenges pupils to apply their knowledge of sound and materials in a creative way.	<a href="https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/stem-challenges#h.71ncjqylmwen">https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/stem-challenges#h.71ncjqylmwen</a>

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Design and Make - Toys	STEM and Play webinar  This design and make task challenges pupils to create their own toy.	STEM and Play resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/play/">https://www.scoilnet.ie/stem_sa_bhaile/play/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34943/34702.pdf">https://www.scoilnet.ie/uploads/resources/34943/34702.pdf</a>
Design and Make - Charlie's Bucket's Factory	STEM in Our World webinar  This design and make allows pupils to apply their knowledge of the properties and characteristics of materials.	STEM in Our World resource page <a href="https://www.scoilnet.ie/stem_ar_scoil/world/">https://www.scoilnet.ie/stem_ar_scoil/world/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34783/34540.pdf">https://www.scoilnet.ie/uploads/resources/34783/34540.pdf</a> <a href="https://www.scoilnet.ie/uploads/resources/34812/34570.pdf">https://www.scoilnet.ie/uploads/resources/34812/34570.pdf</a> (as Gaeilge)
Design and Make - A Toy Transporter	STEM in Our World webinar  This design and make task allows pupils to apply their skills to make their own toy transporter.	STEM in Our World resource page <a href="https://www.scoilnet.ie/stem_ar_scoil/world/">https://www.scoilnet.ie/stem_ar_scoil/world/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34782/34538.pdf">https://www.scoilnet.ie/uploads/resources/34782/34538.pdf</a> <a href="https://www.scoilnet.ie/uploads/resources/34811/34569.pdf">https://www.scoilnet.ie/uploads/resources/34811/34569.pdf</a> (as Gaeilge)
Design and Make - Home Alone Burglar Trap	Seasonal STEAM webinar - Forces  Pupils work on this design and make task to help Kevin catch the burglars.	Seasonal STEAM resource page <a href="https://www.scoilnet.ie/stem_ar_scoil/steam/">https://www.scoilnet.ie/stem_ar_scoil/steam/</a>  <a href="https://www.scoilnet.ie/uploads/resources/35021/34780.pdf">https://www.scoilnet.ie/uploads/resources/35021/34780.pdf</a> <a href="https://www.scoilnet.ie/uploads/resources/35022/34781.pdf">https://www.scoilnet.ie/uploads/resources/35022/34781.pdf</a> (as Gaeilge)
Design and Make - Suggestions based on the Kitchen	STEM and the Kitchen webinar  This useful list of design and make tasks based on the kitchen will allow pupils to apply their creative skills.	STEM and the Kitchen resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/kitchen/">https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34934/34693.pdf">https://www.scoilnet.ie/uploads/resources/34934/34693.pdf</a>

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Design and Make - A Kitchen of the Future	STEM and the Kitchen webinar  This design and make task challenges pupils to imagine what the kitchen of the future may be.	STEM and the Kitchen resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/kitchen/">https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34930/34689.pdf">https://www.scoilnet.ie/uploads/resources/34930/34689.pdf</a>
Design and Make - A Pedal Bin	STEM and the Kitchen webinar  This design and make task challenges pupils to create their own functional pedal bin.	STEM and the Kitchen resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/kitchen/">https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34929/34688.pdf">https://www.scoilnet.ie/uploads/resources/34929/34688.pdf</a>
Ice Escape Investigation	STEM and the Kitchen webinar  Pupils work through this investigation to release the LEGO characters from ice.	STEM and the Kitchen resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/kitchen/">https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34926/34685.pdf">https://www.scoilnet.ie/uploads/resources/34926/34685.pdf</a>
Absorbing Water Investigation	STEM and the Kitchen webinar  This investigation challenges pupils to explore the absorbency of materials.	STEM and the Kitchen resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/kitchen/">https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34925/34684.pdf">https://www.scoilnet.ie/uploads/resources/34925/34684.pdf</a>
Working in the Kitchen STEM Trail	STEM and the Kitchen webinar  This activity encourages pupils to explore materials in the kitchen.	STEM and the Kitchen resource page <a href="https://www.scoilnet.ie/stem_sa_bhaile/kitchen/">https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</a>  <a href="https://www.scoilnet.ie/uploads/resources/34648/34402.docx">https://www.scoilnet.ie/uploads/resources/34648/34402.docx</a>

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Odd One Out	STEM Smaointe  These collections of images encourage talk and discussion.	<a href="https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/odd-one-out">https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/odd-one-out</a>
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