

Materials 3rd and 4th classes

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

Learning Experience	Description	Link
Materials Detective	STEM Smaointe This activity encourages pupils to become detectives and embark on a materials hunt around a room of their choice at home.	https://sites.google.com/pdst.ie/stemsmainte/archived-activities/science/3rd-and-4th-class#h.10780as6hyn3
Design and Make - A Chair	STEM Smaointe This design and make task challenges pupils to apply their knowledge and skills in a creative way.	https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/stem-challenge#h.6ke6hj61m8ni
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.	https://sites.google.com/pdst.ie/stemsmainte/archived-activities/stem/stem-challenge#h.71ncjqylmwen
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 https://www.scoilnet.ie/stem_sa_bhaile/play/ https://www.scoilnet.ie/uploads/resources/34943/34702.pdf

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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 https://www.scoilnet.ie/stem_ar_scoil/world/ https://www.scoilnet.ie/uploads/resources/34783/34540.pdf https://www.scoilnet.ie/uploads/resources/34812/34570.pdf (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 https://www.scoilnet.ie/stem_ar_scoil/world/ https://www.scoilnet.ie/uploads/resources/34782/34538.pdf https://www.scoilnet.ie/uploads/resources/34811/34569.pdf (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 https://www.scoilnet.ie/stem_ar_scoil/steam/ https://www.scoilnet.ie/uploads/resources/35021/34780.pdf https://www.scoilnet.ie/uploads/resources/35022/34781.pdf (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 https://www.scoilnet.ie/stem_sa_bhaile/kitchen/ https://www.scoilnet.ie/uploads/resources/34934/34693.pdf
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 https://www.scoilnet.ie/stem_sa_bhaile/kitchen/ https://www.scoilnet.ie/uploads/resources/34930/34689.pdf

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Design and Make - A Pedal Bin	<p>STEM and the Kitchen webinar</p> <p>This design and make task challenges pupils to create their own functional pedal bin.</p>	<p>STEM and the Kitchen resource page</p> <p>https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</p> <p>https://www.scoilnet.ie/uploads/resources/34929/34688.pdf</p>
Design and Make - A Sensory Hopscotch	<p>STEM and Play webinar</p> <p>This design and make task challenges pupils to create their own unique sensory hopscotch.</p>	<p>STEM and Play resource page</p> <p>https://www.scoilnet.ie/stem_sa_bhaile/play/</p> <p>https://www.scoilnet.ie/uploads/resources/34947/34706.pdf</p>
Design and Make - A Hopscotch	<p>STEM and Play webinar</p> <p>This design and make task challenges pupils to create their own hopscotch game.</p>	<p>https://www.scoilnet.ie/uploads/resources/34946/34705.pdf</p>
Ice Escape Investigation	<p>STEM and the Kitchen webinar</p> <p>Pupils work through this investigation to release the LEGO characters from ice.</p>	<p>STEM and the Kitchen resource page</p> <p>https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</p> <p>https://www.scoilnet.ie/uploads/resources/34926/34685.pdf</p>
Absorbing Water Investigation	<p>STEM and the Kitchen webinar</p> <p>This investigation challenges pupils to explore the absorbency of materials.</p>	<p>STEM and the Kitchen resource page</p> <p>https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</p> <p>https://www.scoilnet.ie/uploads/resources/34925/34684.pdf</p>
Working in the Kitchen STEM Trail	<p>STEM and the Kitchen webinar</p> <p>This activity encourages pupils to explore materials in the kitchen.</p>	<p>STEM and the Kitchen resource page</p> <p>https://www.scoilnet.ie/stem_sa_bhaile/kitchen/</p> <p>https://www.scoilnet.ie/uploads/resources/34648/34402.docx</p>

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