

Main Criteria: Forward Education

Secondary Criteria: Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes, Scotland Sciences Curriculum for Excellence - Experiences & Outcomes, Scotland Technologies Curriculum for Excellence - Experiences & Outcomes

Subjects: Mathematics, Science, Technology Education

Grades: 5, 6, 7, 8, Key Stage 2, Key Stage 3

Forward Education

Solar Water Disinfection (SODIS)

Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes

Mathematics

Grade 5 - Adopted: 2017

LEVEL / STRAND	SCT.NM M.	Second Level - Number, money and measure
EXPERIENCES	NMM.8.	Measurement

OUTCOMES NMM.8.1. I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure. MNU 2-11a

Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes

Mathematics

Grade 6 - Adopted: 2017

LEVEL / STRAND	SCT.NM M.	Second Level - Number, money and measure
EXPERIENCES	NMM.8.	Measurement

OUTCOMES NMM.8.1. I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure. MNU 2-11a

Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes

Mathematics

Grade 7 - Adopted: 2017

LEVEL / STRAND	SCT.NM M.	Fourth Level - Number, money and measure
EXPERIENCES	NMM.8.	Measurement

OUTCOMES NMM.8.3. I have explored with others the practicalities of the use of 3D objects in everyday life and can solve problems involving the volume of a prism, using a formula to make related calculations when required. MTH 4-11c

Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes

Mathematics

Grade 8 - Adopted: 2017

LEVEL / STRAND	SCT.NM M.	Fourth Level - Number, money and measure
EXPERIENCES	NMM.8.	Measurement

OUTCOMES NMM.8.3. I have explored with others the practicalities of the use of 3D objects in everyday life and can solve problems involving the volume of a prism, using a formula to make related calculations when required. MTH 4-11c

Scotland Sciences Curriculum for Excellence - Experiences & Outcomes

Science

Grade 5 - Adopted: 2017

LEVEL / STRAND	SCT.M.	Second Level – Materials
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EXPERIENCES	M.3.	Chemical changes
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OUTCOMES M.3.1. I have investigated different water samples from the environment and explored methods that can be used to clean and conserve water and I am aware of the properties and uses of water. SCN 2-18a

LEVEL / STRAND	SCT.TS.	Second Level – Topical Science
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EXPERIENCES	TS.1.	Topical Science
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OUTCOMES TS.1.1. Through research and discussion, I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society. SCN 2-20a

Scotland Sciences Curriculum for Excellence - Experiences & Outcomes
Science
 Grade 6 - Adopted: 2017

LEVEL / STRAND	SCT.M.	Second Level – Materials
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EXPERIENCES	M.3.	Chemical changes
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OUTCOMES M.3.1. I have investigated different water samples from the environment and explored methods that can be used to clean and conserve water and I am aware of the properties and uses of water. SCN 2-18a

LEVEL / STRAND	SCT.TS.	Second Level – Topical Science
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EXPERIENCES	TS.1.	Topical Science
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OUTCOMES TS.1.1. Through research and discussion, I have an appreciation of the contribution that individuals are making to scientific discovery and invention and the impact this has made on society. SCN 2-20a

Scotland Technologies Curriculum for Excellence - Experiences & Outcomes
Technology Education
 Grade 5 - Adopted: 2009

LEVEL / STRAND	SCT.CDE G.	Second Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge
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EXPERIENCES AND OUTCOMES CDEG.3. Through discovery and imagination, I can develop and use problem-solving strategies to construct models. TCH 1-14a / TCH 2-14a

Scotland Technologies Curriculum for Excellence - Experiences & Outcomes
Technology Education
 Grade 6 - Adopted: 2009

LEVEL / STRAND	SCT.CDE G.	Second Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge
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EXPERIENCES AND OUTCOMES CDEG.3. Through discovery and imagination, I can develop and use problem-solving strategies to construct models. TCH 1-14a / TCH 2-14a

Scotland Technologies Curriculum for Excellence - Experiences & Outcomes
Technology Education
 Grade 7 - Adopted: 2009

LEVEL / STRAND	SCT.TDS	Fourth Level - Technological developments in society
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EXPERIENCES AND OUTCOMES	TDS.2.	Having investigated a current trend of technological advance in Scotland or beyond, I can debate the short- and long-term possibilities of the technological development becoming a reality. TCH 4-01b
EXPERIENCES AND OUTCOMES	TDS.3.	I can debate the possible future impact of new and emerging technologies on economic prosperity and the environment. TCH 4-01c
EXPERIENCES AND OUTCOMES	TDS.4.	I can examine a range of materials, processes or designs in my local community to consider and discuss their environmental, social and economic impact, discussing the possible lifetime cost to the environment in Scotland or beyond. TCH 4-02a
LEVEL / STRAND	SCT.FTC	Fourth Level - Food and textiles contexts for developing technological skills and knowledge

EXPERIENCES AND OUTCOMES	FTC.5.	By examining and discussing the features of everyday products used within the home, I am gaining an awareness of the factors influencing design and can evaluate how these products meet the needs of the user. TCH 4-11c
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LEVEL / STRAND	SCT.CDE G.	Fourth Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge
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EXPERIENCES AND OUTCOMES	CDEG.4.	Showing creativity and innovation, I can design, plan and produce increasingly complex items which satisfy the needs of the user, at home or in the world of work. TCH 4-14a
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EXPERIENCES AND OUTCOMES	CDEG.7.	By examining and discussing the features of everyday products, I am gaining an awareness of the factors influencing design and can evaluate how these products meet the needs of the user. TCH 4-14d
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Scotland Technologies Curriculum for Excellence - Experiences & Outcomes
Technology Education
Grade 8 - Adopted: 2009

LEVEL / STRAND	SCT.TDS	Fourth Level - Technological developments in society
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EXPERIENCES AND OUTCOMES	TDS.2.	Having investigated a current trend of technological advance in Scotland or beyond, I can debate the short- and long-term possibilities of the technological development becoming a reality. TCH 4-01b
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EXPERIENCES AND OUTCOMES	TDS.3.	I can debate the possible future impact of new and emerging technologies on economic prosperity and the environment. TCH 4-01c
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EXPERIENCES AND OUTCOMES	TDS.4.	I can examine a range of materials, processes or designs in my local community to consider and discuss their environmental, social and economic impact, discussing the possible lifetime cost to the environment in Scotland or beyond. TCH 4-02a
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LEVEL / STRAND	SCT.FTC	Fourth Level - Food and textiles contexts for developing technological skills and knowledge
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EXPERIENCES AND OUTCOMES	FTC.5.	By examining and discussing the features of everyday products used within the home, I am gaining an awareness of the factors influencing design and can evaluate how these products meet the needs of the user. TCH 4-11c
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LEVEL / STRAND	SCT.CDE G.	Fourth Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge
EXPERIENCES AND OUTCOMES	CDEG.4.	Showing creativity and innovation, I can design, plan and produce increasingly complex items which satisfy the needs of the user, at home or in the world of work. TCH 4-14a
EXPERIENCES AND OUTCOMES	CDEG.7.	By examining and discussing the features of everyday products, I am gaining an awareness of the factors influencing design and can evaluate how these products meet the needs of the user. TCH 4-14d