

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:** 9, 10, Key Stage 3, Key Stage 4**Forward Education****Replanting our Forests with Automated Tree Seeders****Scotland Mathematics Curriculum for Excellence - Experiences & Outcomes****Mathematics**

Grade 9 - Adopted: 2017

LEVEL / STRAND	SCT.NM.M.	Fourth Level - Number, money and measure
EXPERIENCES	NMM.10.	Patterns and relationships

OUTCOMES NMM.10.2. I have discussed ways to describe the slope of a line, can interpret the definition of gradient and can use it to make relevant calculations, interpreting my answer for the context of the problem. MTH 4-13b

LEVEL / STRAND	SCT.IM.	Fourth Level – Information Handling
EXPERIENCES	IM.1.	Data and analysis

OUTCOMES IM.1.2. In order to compare numerical information in real-life contexts, I can find the mean, median, mode and range of sets of numbers, decide which type of average is most appropriate to use and discuss how using an alternative type of average could be misleading. MTH 4-20b

Scotland Sciences Curriculum for Excellence - Experiences & Outcomes**Science**

Grade 9 - Adopted: 2017

LEVEL / STRAND	SCT.PE.	Third Level – Planet Earth
EXPERIENCES	PE.1.	Biodiversity and interdependence

OUTCOMES PE.1.1. I can sample and identify living things from different habitats to compare their biodiversity and can suggest reasons for their distribution. SCN 3-01a

LEVEL / STRAND	SCT.PE.	Third Level – Planet Earth
EXPERIENCES	PE.3.	Processes of the planet

OUTCOMES PE.3.2. I can explain some of the processes which contribute to climate change and discuss the possible impact of atmospheric change on the survival of living things. SCN 3-05b

LEVEL / STRAND	SCT.PE.	Fourth Level – Planet Earth
EXPERIENCES	PE.3.	Processes of the planet

OUTCOMES PE.3.2. Through exploring the carbon cycle, I can describe the processes involved in maintaining the balance of gases in the air, considering causes and implications of changes in the balance. SCN 4-05b

LEVEL / STRAND	SCT.TS.	Fourth Level – Topical science
EXPERIENCES	TS.1.	Topical Science

OUTCOMES	TS.1.1.	I have researched new developments in science and can explain how their current or future applications might impact on modern life. SCN 4-20a
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Scotland Technologies Curriculum for Excellence - Experiences & Outcomes
Technology Education
Grade 9 - Adopted: 2009

LEVEL / STRAND	SCT.CDE G.	Third Level - Craft, design, engineering and graphics contexts for developing technological skills and knowledge
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EXPERIENCES AND OUTCOMES	CDEG.3.	I can practise and apply a range of preparation techniques and processes to manufacture a variety of items in wood, metal, plastic or other material, showing imagination and creativity, and recognising the need to conserve resources. TCH 3-13b
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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
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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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