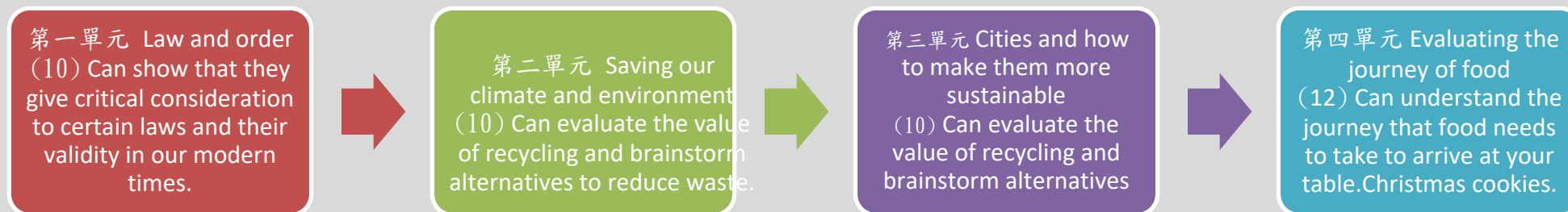


## 臺南市新營區南梓實驗小學 113 學年度第一學期六年級國際藝術心實驗課程計畫

Title	The Power of Sustainability	Grade	6	Periods	_42 including review_ classes/semester
彈性學習課程 四類規範	1. <b>統整性探究課程</b> ( <input checked="" type="checkbox"/> 主題 <input type="checkbox"/> 專題 <input type="checkbox"/> 議題)				
設計理念	關係：提昇永續概念，課程蘊含美感創作進而拓展國際視野				
Competences	E-A2 Possess the contemplative ability to explore problems, and through experience and practice, solve problems in daily life. E-B1 Possess the basic language competencies (i.e., listening, speaking, reading, writing, and composition) and knowledge of using basic mathematical, scientific, body, and art symbols necessary in everyday life. Be empathetic for others during interpersonal communication. E-C2 Possess interpersonal relationships and teamwork skills E-C1 Possess the ability of upholding moral character, distinguishing right from wrong, understanding and respecting the moral rules of society, developing civic consciousness, and being concerned for the environment.				
Course Objectives	Learners build on their environmental knowledge and get an introduction to the economy. They expand their global understanding of culture through the use of their L2 language skills.				
配合融入之領域或議題	<input type="checkbox"/> 國語文 <input type="checkbox"/> 英語文 <input type="checkbox"/> 英語文融入參考指引 <input type="checkbox"/> 本土語 <input type="checkbox"/> 數學 <input type="checkbox"/> 社會 <input checked="" type="checkbox"/> 自然科學 <input type="checkbox"/> 藝術 <input type="checkbox"/> 綜合活動 <input type="checkbox"/> 健康與體育 <input type="checkbox"/> 生活課程 <input type="checkbox"/> 科技 <input type="checkbox"/> 科技融入參考指引 <input type="checkbox"/> 性別平等教育 <input checked="" type="checkbox"/> 人權教育 <input checked="" type="checkbox"/> 環境教育 <input type="checkbox"/> 海洋教育 <input type="checkbox"/> 品德教育 <input type="checkbox"/> 生命教育 <input type="checkbox"/> 法治教育 <input type="checkbox"/> 科技教育 <input type="checkbox"/> 資訊教育 <input type="checkbox"/> 能源教育 <input type="checkbox"/> 安全教育 <input type="checkbox"/> 防災教育 <input type="checkbox"/> 閱讀素養 <input type="checkbox"/> 多元文化教育 <input type="checkbox"/> 生涯規劃教育 <input type="checkbox"/> 家庭教育 <input type="checkbox"/> 原住民教育 <input type="checkbox"/> 戶外教育 <input checked="" type="checkbox"/> 國際教育				
Performance Tasks	Worksheet, pop quiz , coloring pages, model making materials , make a climate poste				

## 課程架構脈絡



C6-1 彈性學習課程計畫(統整性主題/專題/議題探究課程)

Periods	Unit	學習表現 校訂或相關 領域與 參考指引或 議題實質內 涵	Language content	Goals	Activity	Assessment	Materials
1-10weeks	Law and order	I3 能關心 本土與全球 議題	How the Democratic process works. Choosing the best leaders. Getting your vote counted. Are there certain laws we need to look at again?	Can understand the differences between basic political systems. Can understand some of the qualities that leaders need to possess, Can go through a campaign and voting process, to test out different ways of voting. Can show that they give critical consideration to certain laws and their validity in our modern times.	Vote for a leader. Write your own laws.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages,
11-20weeks	Saving our climate and environment	I4 能關懷 永續環境	What can we do to combat climate change? How big is your carbon footprint? Is recycling truly the answer to our problems?	Can define the difference between climate change and global warming. Calculate their carbon footprint. Can evaluate the value of recycling and brainstorm alternatives to reduce waste.	Do a worksheet about the content. Do a repurposing activity.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages,

C6-1 彈性學習課程計畫(統整性主題/專題/議題探究課程)

21-30weeks	Cities and how to make them more sustainable	I4 能關懷 永續環境	The vertical farms. Transport networks and how they work. The 15-minute City. How cities have changed the way we live.	Can identify advantages of vertical farming. Can set up a miniaturized version of a vertical Farm.	Create a miniature vertical farm. Complete a pop quiz.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages,
31-42weeks	Evaluating the journey of food	I4 能關懷 永續環境	Let's trace the route of the item of food. From Farm to Fork. how to eat more environmentally friendly food. Cooking local with an international flavor	Can identify the origins of certain foods - in other words where they are produced. Can understand the journey that food needs to take to arrive at your table. Can understand the consequent carbon footprint that this journey produces. Can way of the advantages to Industry reverses the advantages to the environment of exporting and importing Foods. Can create a dish with local ingredients.	Make a food map. Calculate the relative carbon footprint. Make a dish with local ingredients.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages,

## 臺南市新營區南梓實驗小學 113 學年度第二學期六年級國際藝術心實驗課程計畫

Title	Next Stop of Evolution	Grade	6	Periods	_38 including review_ classes/semester
彈性學習課程 四類規範	1. <b>統整性探究課程</b> ( <input checked="" type="checkbox"/> 主題 <input type="checkbox"/> 專題 <input type="checkbox"/> 議題)				
設計理念	關係：提昇永續概念，課程蘊含美感創作進而拓展國際視野				
Competences	E-A2 Possess the contemplative ability to explore problems, and through experience and practice, solve problems in daily life. E-B1 Possess the basic language competencies (i.e., listening, speaking, reading, writing, and composition) and knowledge of using basic mathematical, scientific, body, and art symbols necessary in everyday life. Be empathetic for others during interpersonal communication. E-C2 Possess interpersonal relationships and teamwork skills E-C1 Possess the ability of upholding moral character, distinguishing right from wrong, understanding and respecting the moral rules of society, developing civic consciousness, and being concerned for the environment.				
Course Objectives	Learners build on their environmental knowledge and get an introduction to economy. They expand their global understanding of culture through the use of their L2 language skills.				
配合融入之領域或議題	<input type="checkbox"/> 國語文 <input type="checkbox"/> 英語文 <input type="checkbox"/> 英語文融入參考指引 <input type="checkbox"/> 本土語 <input type="checkbox"/> 數學 <input type="checkbox"/> 社會 <input checked="" type="checkbox"/> 自然科學 <input type="checkbox"/> 藝術 <input type="checkbox"/> 綜合活動 <input type="checkbox"/> 健康與體育 <input type="checkbox"/> 生活課程 <input type="checkbox"/> 科技 <input type="checkbox"/> 科技融入參考指引		<input type="checkbox"/> 性別平等教育 <input checked="" type="checkbox"/> 人權教育 <input checked="" type="checkbox"/> 環境教育 <input type="checkbox"/> 海洋教育 <input type="checkbox"/> 品德教育 <input type="checkbox"/> 生命教育 <input type="checkbox"/> 法治教育 <input type="checkbox"/> 科技教育 <input type="checkbox"/> 資訊教育 <input type="checkbox"/> 能源教育 <input type="checkbox"/> 安全教育 <input type="checkbox"/> 防災教育 <input type="checkbox"/> 閱讀素養 <input type="checkbox"/> 多元文化教育 <input type="checkbox"/> 生涯規劃教育 <input type="checkbox"/> 家庭教育 <input type="checkbox"/> 原住民教育 <input type="checkbox"/> 戶外教育 <input checked="" type="checkbox"/> 國際教育		
Performance Tasks	worksheet, pop quiz				

## 課程架構脈絡

第一單元 The value of water. (9) Can understand how a water harvester work



第二單元 The universe - are we really alone? (9) Can brainstorm some of the things needed for colonization on other planets.



第三單元 Customs and manners - putting your best foot forward (10) Can identify good manners related to Taiwanese culture.



第四單元 Plant and animals and their evolution. (10) Can brainstorm some factors that influence evolution

Periods	Unit	學習表現 校訂或相關 領域與 參考指引或 議題實質內 涵	Language content	Goals	Activity	Assessment	Materials
1-10weeks	The value of water.	I3 能關心 本土與全球 議題 I4 能關懷 永續環境	Water sources and our precious fresh water. How to purify water. How to create water out of thin air. Where do we waste water? What can we do to use water more efficiently?	Can identify the various sources of fresh water. Can purify water. Can understand how a water harvester works. Can create a water harvester.	Complete a worksheet on the subject matter. Answer a pop quiz about the subject matter. Purify water well enough for consumption. Build a water harvester and make water out of air.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages,
11-20weeks	The universe – are we really alone?	I3 能關心 本土與全球 議題 I4 能關懷 永續環境	How many planets are there? What makes a planet? What are some of the things that we find in space? It is in the Goldilocks zone. What are some things we need to know before we go to a planet?	Can name most of the planets. Can understand the difference between stars, planets, moons and other space objects. Can indicate where the Goldilocks zone around a star is. Can brainstorm some of the things needed for colonization on other planets.	Complete a worksheet on the subject matter. Answer a pop quiz about the subject matter. Make a map of our solar system. Brainstorm what is needed for life on other planets to succeed.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages, model making materials

C6-1 彈性學習課程計畫(統整性主題/專題/議題探究課程)

21-30weeks	Customs and manners – putting your best foot forward.	I2 能尊重與欣賞多元文化	Manners make the man. Making a first impression. What is the best way to use your knife and fork? Let's have a formal meal.	Can identify good manners related to Taiwanese culture. Can list some of the differences between local and foreign etiquette. Can apply western manners to a formal meal.	Complete a worksheet on the subject matter. Answer a pop quiz about the subject matter. List good manners. Apply manners to a formal meal.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages, poster materials
31-38weeks	Plant and animals and their evolution.	I3 能關心本土與全球議題 I4 能關懷永續環境	Who was Charles Darwin? This is an example of evolution. How have people evolved? What is the next step in evolution for humans?	Can understand concepts of evolution. Can point to some examples of evolution. Can brainstorm some factors that influence evolution.	Complete a worksheet on the subject matter. Answer a pop quiz about the subject matter. Identify evolutionary features of certain creatures. Complete a reading comprehension about Charles Darwin.	Worksheet, pop quiz,	PPT. Worksheet, coloring pages, kitchen