

# WE ARE SCIENTISTS



# Class: Apples Teacher: C Down Term and Year: Summer 2020

### **PRIMARY PROVOCATION**

### 'What would you do if you found an alien in your pant drawer?'

Read the story "Aliens Love Underpants" by Claire Freedman and Ben Cort

https://www.bing.com/videos/search?q=aliens+love+underpants+story&&view=detail&mid=F4084367B9E8D2D081D3F4084367B9E8D2D081D3&&FORM=VDRVRVFeed man and Ben Cort

Where did they come from? (Investigate space and planets)

How did they get here? (Create our own spaceships and rockets)

What will they learn about humans? (How our bodies work, exercise, food and healthy eating)

Do you think they would want to stay here? (looking at plants and the local environment, exploring our amazing world)

Can you make a travel brochure for the aliens?

### THE ROOTS OF TEACHING FOR LEARNING

These are the prerequisites of Teaching for Learning

constant feedback from all adults

sustained shared thinking between adults and children, between children

continuous questioning and hypothesising

high expectations for all

valuing every person and every contribution

learning from mistakes

recognising and celebrating achievements

willingness to be brave

### **INDEPENDENCE**

Teaching for Learning is rooted in our values. In WE ARE SCIENTISTS we are focusing on the following values.

PERSEVERANCE	INDEPENDENCE
Children will learn to grapple with problems and persevere to	Children will be encouraged to think for themselves when
find a solution. They will know that mistakes are part of learning	tackling problems, deciding on resources and actions and in
and that solving a problem is more important than the outcome.	creating opinions.
They will adopt an attitude of "don't give up"	They will be supported to learn new skills and gently encouraged to attempt them for themselves, such as dressing, finding
	activities and resources and planning an activity.

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PERSEVERANCE

RESPECT

COMPASSION

# THE TRUNK OF TEACHING FOR LEARNING

Teaching for Learning Objectives	Activities to Support Teaching for Learning	
	What are the adults doing?	What are the children doing?
SCIENCE OBJECTIVES	transfer of knowledge revisiting learning	following routines
	vocab identification identifying purpose of	active listening
To know about similarities and differences in relation to	learning	being prepared and organised
places, objects, materials and living things	classroom organisation subject knowledge	ready for learning
		engaged in the process
To talk about the features of their own immediate	Children will be taught about space, planets and	commitment to the learning
environment and how environments might vary from one	the solar <mark>system. They will know that Earth is</mark>	
another.	part of th <mark>e solar system and that this travels</mark>	The children will learn songs about and model the
	around th <mark>e sun, the sun is a star.</mark>	solar system. They will create representations of the
To make observations of animals and plants and explain	and the second se	different planets (for example hot and dry).
why some things occur and talk about changes.	Children will understand that pushing and	
Specifie knowledge will include an app forese burgers	pulling are forces that move and change	The children will explore the forces of pushing and
Specific knowledge will include space, forces, human body, plants and growing.	objects. G <mark>ravity is a force on Earth which pull</mark> s.	pulling using toy vehicles, play dough, wind and
body, pidriis drid glowing.	They will be challenged to make their own	their bodies. They will test gravity using different
	rockets and spaceships.	materials.
DT OBJECTIVES		They will make balloon rockets, frisbee spaceships
	Children will be taught how their bodies work	and detailed models of spaceships.
Materials	such as w <mark>hy their heart beats faster when th</mark> ey	
<ul> <li>Different types of media and materials and how</li> </ul>	exercise, which foods are healthy and why	The children will investigate their bodies, looking at
they can be used – paper, card, junk, feathers, pom poms	hygiene is important.	resources illustrating the skeleton, finding out about
and various collage materials		the heart, lungs and muscles and testing the effects
	Children will look at how plants grow to provide	of exercise and lying down on breathing. They will
Construction	food. They will understand why some plants	begin to know which foods make up a healthy diet
<ul> <li>Identify different construction kits such as Lego,</li> </ul>	grow well in our climate and appreciate the	and prepare their own healthy meals and snacks.
Clixi, Mobilo and how to fit pieces together.	beauty of our local area.	
Different ways to join construction materials (eg		They will understand that much of our food is
glue, tape)	Adults will encourage children to think about	grown and grow their own beans, peas, potatoes
Textiles	how aliens might be different and if there is	and other veg. They will appreciate that our
<ul> <li>Identify different textiles and their possible uses (eg.</li> </ul>	anything they would need to survive on our	landscape looks the way it does because we have a
Felt, hessian, cotton, wool)	planet.	temperate climate (lots of rain) and compare it to
<ul> <li>Identify different methods of joining fabric – running</li> </ul>		eg a desert climate. The will show their appreciation
stitch, glue, staple		

Food and Nutrition	using art, modelling and creating mini gardens as
Begin to identify different food groups	well as growing their own plants.
<ul> <li>Understand the changes which can be made by</li> </ul>	
preparing and cooking	Children will imagine their own alien, make a model
<ul> <li>Know how to work safely and hygienically (wash</li> </ul>	and describe it's similarities and differences, for
hands and clean surfaces)	example, number of eyes, legs, will it need a
SCIENCE VOCABULARY	breathing apparatus or special food.
Space, planet, star	
Rocket, fly, push, pull	Children will design their own pants to encourage
Body, exercise, nutrition – related vocab	aliens to visit Earth and create a travel brochure.
Plants and growing – related vocab	
Explore, try, test	
Challenge, question	
Think, know, remember, forget, idea, make sense, plan,	
learn, find out	
Predict	
What else?	
Why?	
How?	
I wonder	
DT VOCABULARY	
<ul> <li>materials – card, paper, wood, metal, fabric</li> </ul>	
<ul> <li>tools – scissors, glue sticks, stapler, rolling pin, clay</li> </ul>	
moulding tools	
<ul> <li>shaping techniques – cut, fold, roll, bend, twist</li> </ul>	
<ul> <li>joining techniques – stick, tape, glue, staple</li> </ul>	
<ul> <li>texture – rough, smooth, bumpy, soft, hard</li> </ul>	
function – stiff, flexible, move	
design, ideas, plan, test, change     food, wark, out, chan, pool, mix, cook	
<ul> <li>food – wash, cut, chop, peel, mix, cook</li> </ul>	

## GROWING

<b>Teaching for Learning Objectives</b>	Activities to Support	Teaching for Learning
	What are the adults doing?	What are the children doing?
Where are they	Provide the question "Where did the aliens come from?"	Engaging in the learning provided. Watching TV programmes and clips about
from?	Show the children videos, books and websites of outer space and our solar	space. Singing songs about the solar system.
SCIENCE OBJECTIVES	system. Teach the children about stars and ensure	Creating pictures and models of the solar system
To know about similarities and differences in relation to places, objects, materials and living things	they understand that our sun is also a star. Sing songs and create models of the solar system.	Creating 'star' pictures of galaxies Experimenting with shadows and observing where the sun is at different
To talk about the features of their own immediate environment and how environments might vary from one another.	Ask the children to question where they think the aliens came from – a planet in our solar system, galaxy or deeper into the	points in the day Asking questions about space such as "where does the universe end" and "how
Specific knowledge relating to space, planets and the solar system.	universe.	many stars are there"
VOCABULARY Space, planet, star, galaxy, universe Think, know, remember, forget, idea, make sense, plan, learn, find out What else? Why? How? I wonder		

DT OBJECTIVES Materials • Different types of media and materials and how they can be used – paper, card, junk, feathers, pom poms and various collage materials	
<ul> <li>VOCABULARY</li> <li>materials – card, paper, wood, metal, fabric</li> <li>tools – scissors, glue sticks, stapler, rolling pin, clay moulding tools</li> <li>shaping techniques – cut, fold, roll, bend, twist</li> </ul>	

How did they get	Introduce non-fiction books and stories	Engage in experiments and exploration of
	about space travel	pushing and pulling using play dough, toy
here?	Provide experiences to test pushing and	vehicles, swings, kites etc and question
	pulling on small and large scale	what is creating the pushing or pulling
SCIENCE OBJECTIVES	Teach children that gravity is a pulling	force.
To know about similarities and differences in	force exerted by the earth	Test different objects and time (video)
relation to places, objects, materials and living	Provide experiences to test gravity and	how quickly they fall to earth – understand
things	question why some things fall quicker than	that gravity is pulling them all at the same
To talk about the features of their own immediate	others (feathers vs rock, piece of paper vs	rate but some objects (eg feather) are
environment and how environments might vary	scrunched up) (does space have gravity?)	flatter and catch on the air to create a
from one another.	Provide experiences to test gravity using	push force which slows the fall
	car ramps, marble runs, water troughs	Watch videos of zero gravity in space
To make observations of animals and plants and explain why some things occur and talk about	Experiment with how friction changes the	Explore how gravity works with marble
changes.	pull of gravity using car ramps, marble runs	runs, car ramps, pram runs and water
	or prams	troughs
Specific knowledge will include forces and gravity	Provide materials to make a balloon rocket	Question how they can slow down or
Maaahulamu		-
<b>Vocabulary</b> Rocket, fly, push, pull, gravity	Provide materials to design, make and	speed up the object
Explore, try, test	review a model rocket.	Can they stop water flowing down?
Challenge, question		Make a balloon rocket to a given design
Think, know, remember, forget, idea, make sense,		following instructions – question how it
plan, learn, find out Predict		works
What else?		
Why?		Design their own space travel rocket or
How? I wonder		ship in detail, collect resources and make
		the rocket. Assess how well their rocket
DT OBJECTIVES		worked
Materials		
• Different types of media and materials and how they can be used – paper, card, junk,		
feathers, pom poms and various collage materials		
Construction		

Identify different construction kits such as	
Lego, Clixi, Mobilo and how to fit pieces together.	
Different ways to join construction	
materials (eg glue, tape)	
VOCABULARY	
• materials – card, paper, wood, metal, fabric	
• tools – scissors, glue sticks, stapler, rolling pin,	
clay moulding tools	
<ul> <li>shaping techniques – cut, fold, roll, bend, twist</li> <li>iairing techniques – stick tapa alua stapla</li> </ul>	
<ul> <li>joining techniques – stick, tape, glue, staple</li> <li>texture – rough, smooth, bumpy, soft, hard</li> </ul>	
<ul> <li>function – stiff, flexible, move</li> </ul>	
<ul> <li>design, ideas, plan, test, change</li> </ul>	

<section-header><ul> <li>How are aliens the same aliens the same aliens the same alient of the same alie</li></ul></section-header>	Look at our bodies – number of arms, legs, eyes noses etc Read Funnybones and explore the skeleton by looking at xrays and models Pose the question – what do different parts of our bodies do? Provide tests and explorations of the senses Show videos of how the heart and lungs work to provide oxygen to the muscles Experiment with what happens when you exercise (heart rate increases) – question why that needs to happen At each stage use imagination to wonder if aliens would be the same • How would they see? • Do they taste? • How many legs/arms etc • Do they need oxygen? • Do they have blood?	Draw and label a face and body (eg 2 eyes, 1 nose) Talk about what each of the features are used for (seeing, running, holding) By looking at pictures and models of skeletons, ask a friend to draw round them and draw in the skeleton Take part in sensory experiments and explore how their senses work in different environments or with different objects (eg can you still taste if you can't smell) Begin to learn about the respiratory system and experiment with their breathing and pulse – how it raises with exercise and lowers with rest Design and describe their own alien (model or draw) Describe how it uses its senses and moves
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North Rigton CE	Primary School
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What would they	Introduce the children to different food groups – dairy (from milk), fruit and veg	Children will engage in discussions of food types and talk about their own diets
eat?	(from trees) and meat (from animals) Show the children which foods are	Question their food choices
SCIENCE OBJECTIVES	unhealthy in large amounts (salt, sugar, fat) and which foods they should eat lots	Think about and design models of favourite food choices and balanced meals
To know about similarities and differences in relation to living things	of. Develop an understanding of a balanced meal	Imagine what an alien might eat – would it eat meat or dairy? Would the plant foods
To make observations of animals and explain why some things occur and talk about changes.	Provide resources to make models of their favourite meal – review to see if it is	be the same?
Specific knowledge will include human body and nutrition	healthy	Engage in preparing, cooking and tasting a variety of foods
<b>VOCABULARY</b> Body, exercise, nutrition – related vocab Explore, try, test	Provide resources to cook with the children: Healthy pizza	Observe and talk about the changes they observe (eg dough rising, going darker and more solid, fruit becoming juicy)
<ul> <li>DT OBJECTIVES</li> <li>Food and Nutrition</li> <li>Begin to identify different food groups</li> <li>Understand the changes which can be made by preparing and cooking</li> <li>Know how to work safely and hygienically (wash hands and clean surfaces)</li> <li>VOCABULARY</li> <li>food – wash, cut, chop, peel, mix, cook</li> </ul>	Fruit salad or kebabs Fruity flap jack	Know that they need to wash their hands, not lick fingers, not eat off the table, wait until food is prepared and served. Understand that knives are sharp and must be used carefully under adult supervision Clear up after themselves as part of the preparation and cooking process

What would they
think of our world?

#### SCIENCE OBJECTIVES

To know about similarities and differences in relation to places, objects, materials and living things

To talk about the features of their own immediate environment and how environments might vary from one another.

To make observations of animals and plants and explain why some things occur and talk about changes.

Specific knowledge will include climates, plants and growing.

#### VOCABULARY

Plants and growing – related vocab Weather, climate
Explore, try, test
Challenge, question
Think, know, remember, forget, idea, make sense, plan, learn, find out
Predict
What else?
Why?
How?
l wonder

### DT OBJECTIVES

Materials

We will look at our local environment and discuss what is wonderful about it. What would you change? What do humans do to make the environment better/worse? (look after fields, hedges, forests, wild animals/litter, pollution) Understand why we live in such a green land (lots of rain) and compare to deserts or cities. Introduce some art works showing landscapes. Provide resources to make shoe box representations, collage and paintings of our beautiful world. Look at how the plants grow and provide resources to grow own beans, sunflowers and potatoes. Introduce books such as Sam's Sunflower Organise a science experiment using cress to find out what plants need Provide resources to design and create mini gardens

Observe the changes and what the plants need – diary keeping

The children will express opinions about what they find wonderful about our environment. They will begin to appreciate the beauty of our locality (eg Almscliffe Crag) and talk about how they enjoy the spaces. They will compare to cities and talk about the benefits of each – where would you prefer to live?

They will look at some impacts of humans (eg litter) and how they can help to combat this (eg make a poster) They will compare our green county to other climates eg desert

They will design and make shoe box scenes, collages and paintings of beautiful landscapes of their choice and compare to some of the art work they have seen. They will look at different seeds and plant some, observing them over time to see how they grow by keeping a diary They will follow instructions to carry out an experiment to find out what plants need to grow.

<ul> <li>Different types of media and materials and how they can be used – paper, card, junk, feathers, pom poms and various collage materials</li> <li>VOCABULARY         <ul> <li>materials – card, paper, wood, metal, fabric</li> <li>tools – scissors, glue sticks, stapler, rolling pin, clay moulding tools</li> <li>shaping techniques – cut, fold, roll, bend, twist</li> <li>joining techniques – stick, tape, glue, staple</li> <li>texture – rough smooth humpy soft hard</li> </ul> </li> </ul>	
<ul> <li>texture – rough, smooth, bumpy, soft, hard</li> <li>function – stiff, flexible, move</li> <li>design, ideas, plan, test, change</li> </ul>	

### BLOSSOMING

The child is engaged and enjoying the learning and able to apply the necessary skills and knowledge in order to demonstrate their understanding of the learning. They confidently meet the objectives and demonstrate a full ability to use the vocabulary correctly and in context. They are confident when making links and explaining their method to others. They are encouraged to explore and experiment whilst the adult sets challenges, hypothesises and explores misconceptions with them.		
<b>Teaching for Learning Objectives</b>	Activities to Suppo	rt Teaching for Learning
	What are the adults doing?	What are the children doing?
Keep scrolling!		

Where are they	Provide non-fiction books about space and	The children will read stories and identify
where are they	encourage the children to access them	which are fictional and discuss how they
from?	Provide story books about space and space	match to the facts we have learnt
	travel	They will role play travelling in space to
SCIENCE OBJECTIVES	Create role play space rocket to visit other planets and solar systems, including	other galaxies, solar systems and planets, using the vocabulary they have learnt to
To know about similarities and differences in relation to places, objects, materials and living things	costumes and props Put different sized spheres and story stones into sand and water	describe where they are going Children will use resources in different areas to create planets, solar systems and
To talk about the features of their own immediate environment and how environments might vary from one another.	Put challenge cards in playdough Create a circle/sphere display in maths area	galaxies (for example sand and water, workshop, using mathematical equipment, outdoor play)
Specific knowledge relating to space, planets and the solar system.	Provide resources to illustrate the solar system and planets in workshop Provide writing resources such as	Children will create maps and plans of planets and solar system Children will create a space passport
VOCABULARY Space, planet, star, galaxy, universe Think, know, remember, forget, idea, make sense, plan, learn, find out What else? Why? How? I wonder	bordered paper and space passports Provide circle mats and hoops to create solar systems outside for physical play	and/or a space log
DT OBJECTIVES Materials • Different types of media and materials and how they can be used – paper, card, junk, feathers, pom poms and various collage materials		
VOCABULARY		
<ul> <li>materials – card, paper, wood, metal, fabric</li> </ul>		

<ul> <li>tools - scissors, glue sticks, stapler, rolling pin, clay moulding tools</li> <li>shapping techniques - cut, fold, roll, bend, twist</li> </ul>		
clay moulding tools	<ul> <li>tools – scissors, glue sticks, stapler, rolling pin,</li> </ul>	
<ul> <li>shaping techniques – cut, fold, roll, bend, twist</li> </ul>	clay moulding tools	
	shaping toobsigues out fold roll bond twist	
	<ul> <li>snaping rechniques – cur, roid, roil, bend, rwisi</li> </ul>	

How did they get	Provide non-fiction books about	The children will read stories and identify
now and they bet	space/rockets and encourage the children	which are fictional and discuss how they
here?	to access them	match to the facts we have learnt
	Provide story books about space and space	They will role play travelling in space to
SCIENCE OBJECTIVES	travel	other galaxies, solar systems and planets,
To know about similarities and differences in	Create role play space rocket to visit other	using the vocabulary they have learnt to
relation to places, objects, materials and living	planets and solar systems, including	describe where they are going – they will
things	costumes and props	add to their role play rockets with
To talk about the features of their own immediate	Challenge to use construction to create	increasing detail
environment and how environments might vary	rockets and space ships (large/small,	Children will create a space passport
from one another.	indoors/outdoors)	and/or a space log
To make observations of animals and plants and	Put challenge cards in playdough to make	Children will build large space ships using
explain why some things occur and talk about	space ships	outdoor construction resources and large
changes.	Provide resources to illustrate the solar	cardboard boxes, they will begin to create
Specific knowledge will include forces and gravity	system and planets in workshop	their own props to add to these in role
	Provide writing resources such as	play, they will record their trips and
Vocabulary	bordered paper, design paper and space	adventures in a log
Rocket, fly, push, pull, gravity	passports	Children will design and build model
Explore, try, test Challenge, question	Provide circle mats and hoops to create	rockets and spaceships using construction
Think, know, remember, forget, idea, make sense,	solar systems outside for physical play	kits and junk modelling
plan, learn, find out Predict	Provide design sheets, resources (junk	Children will explore the concepts of
What else?	model) and space to make rockets and	pushing and pulling and gravity. They will
Why?	space ships	begin to identify questions, make
How? I wonder	Challenge to make space ships in outdoor	predictions and test them
	area	
DT OBJECTIVES	Work with children to test pushing and	
Materials	pulling forces and gravity – put out	
• Different types of media and materials and how they can be used – paper, card, junk,	challenge areas with picture instructions	
feathers, pom poms and various collage materials	with clipboards, sheets and whiteboards to	
Construction	record thoughts	

<ul> <li>Identify different construction kits such as Lego, Clixi, Mobilo and how to fit pieces together.</li> <li>Different ways to join construction materials (eg glue, tape)</li> </ul> <b>VOCABULARY</b> <ul> <li>materials – card, paper, wood, metal, fabric</li> <li>tools – scissors, glue sticks, stapler, rolling pin, clay moulding tools</li> <li>shaping techniques – cut, fold, roll, bend, twist</li> <li>joining techniques – stick, tape, glue, staple</li> <li>texture – rough, smooth, bumpy, soft, hard</li> <li>function – stiff, flexible, move</li> <li>design, ideas, plan, test, change</li> </ul>	Work with children to explore specific forces (eg wind – kites, balloon rockets and ramps for cars, water and marbles) Again put out challenge boxes with resources and challenges	
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How are aliens the same/different? SCIENCE OBJECTIVES To know about similarities and differences in relation to living things To make observations of animals (humans) and explain why some things occur and talk about changes. Specific knowledge will include human body and its needs <b>VOCABULARY</b> Body, exercise, nutrition – related vocab Explore, try, test Challenge, question Think, know, remember, forget, idea, make sense, plan, learn, find out Predict What else? Why? How? I wonder	Provide non fiction books about the human body and the senses Funnybones Put real (clean) bones in sand/water Challenge to make bones in playdough Create challenge boxes to test the senses (eg dark den, feely bags, headphones) and leave resources to record findings Provide body outlines and bordered paper for recording findings Provide mini books for growing research and senses recording Provide large paper and rolls of black and white paper to draw round each other and label Create exercise challenges to monitor the bodies response Provide resources to design and create their own alien	Children will talk about their bodies and the senses, which part of their body is important and how it impacts their daily lives They will create representations of the skeleton and body using various resources including playdough, construction, art work, fabric and drawing/written work Children will be intrigued by their senses and comment regularly during the day; they will engage in challenges to test and explore their senses according to challenge boxes Children will understand that exercise is important to keeping their bodies healthy and observe the changes when they exercise Children will design their own alien and create it using playdough, clay, junk modelling, construction etc. They will talk about how it is the same and different (eg
		modelling, construction etc. They will talk

What would they	Provide cookbooks, food brochures and	Children will create recordings of their
eat?	non fiction books about healthy eating Provide resources to draw/collage their favourite meal	favourite meals and a balanced diet using a range of resources including sand/water, playdough, collage, painting/drawing, role
SCIENCE OBJECTIVES	Provide menu writing frames Provide shopping writing frames	play They will begin to record their menus and
To know about similarities and differences in relation to living things	Create cooking areas in play dough, sand, water and role play Provide real world cooking implements	shopping lists They will role play cooking (including hygiene)
To make observations of animals and explain why some things occur and talk about changes.	Cook with the children and encourage	Children will be open to preparing, cooking
Specific knowledge will include human body and nutrition	them to observe changes and taste – give opinions	and tasting new foods and give their opinions; they will comment on the
VOCABULARY		changes during the preparation and
Body, exercise, nutrition – related vocab Explore, try, test	Provide sample recipes for real food plus sand, water and mud recipes – model	cooking process
<b>DT OBJECTIVES</b> Food and Nutrition	writing these and provide writing frames	Children will bring the hygiene rules to their daily life. Make a poster or
<ul> <li>Begin to identify different food groups</li> <li>Understand the changes which can be made by preparing and cooking</li> </ul>	Provide resources for hygiene/safety poster making	instruction book.
Know how to work safely and hygienically		Children will continue to think about their
(wash hands and clean surfaces)	Provide resources to design and	designed alien – what will it eat? Make a
VOCABULARY	draw/collage a meal for their alien	menu/meal for it
• food – wash, cut, chop, peel, mix, cook		

What would they
think of our world?

#### SCIENCE OBJECTIVES

To know about similarities and differences in relation to places, objects, materials and living things

To talk about the features of their own immediate environment and how environments might vary from one another.

To make observations of animals and plants and explain why some things occur and talk about changes.

Specific knowledge will include climates, plants and growing.

#### VOCABULARY

Plants and growing – related vocab Weather, climate Explore, try, test Challenge, question Think, know, remember, forget, idea, make sense plan, learn, find out Predict What else? Why? How? I wonder...

#### DT OBJECTIVES

Materials

	North Rigton CE Primary School	
	Provide books showing different climates around the world Challenge to create habitats in areas eg desert in sand, underwater in water, jungle in small world Create a class challenge to make a 3d map of the village using construction Use paintings and photos to encourage artwork of different places	Children will use what they know to create representations of different climates, environments and their own locality in a variety of mediums eg sand, water, small world, construction They will form opinions about what is beautiful and what humans do to affect the environment. They will express these opinions with increasing clarity
te d	Set up an experiment to test what plants need. Create a role play garden centre Provide compost, plant pots, trowels, labels, seed packets etc in role play – sheets to record instructions Provide writing frames and mini books to create plant diaries	Children will role play being a gardener and talk about what they have learnt about plants as they play. They will take responsibility for looking after their plants and record the changes they observe They will use what they know to talk about what the aliens might think about plants and growing and the world.
e,		

• Different types of media and materials and how they can be used – paper, card, junk, feathers, pom poms and various collage materials	
<ul> <li>VOCABULARY</li> <li>materials – card, paper, wood, metal, fabric</li> <li>tools – scissors, glue sticks, stapler, rolling pin, clay moulding tools</li> <li>shaping techniques – cut, fold, roll, bend, twist</li> <li>joining techniques – stick, tape, glue, staple</li> <li>texture – rough, smooth, bumpy, soft, hard</li> <li>function – stiff, flexible, move</li> <li>design, ideas, plan, test, change</li> </ul>	

## FLOURISHING

The child is exhibiting a depth of learning and enthusiasm relating to the objectives. They can select knowledge and understanding for different contexts and justify their choice when using their repertoire of skills. They are able to revise, review and reflect on what they know and create their own solutions to situations, justifying the rationale for what they are demonstrating. They are able to, and indeed want to, 'show off' with what they know and what they can do; they want to share that they are flourishing and how they know they are flourishing. Adults are present for affirmation and organisation.

<b>Teaching for Learning Objectives</b>	Activities to Support Teaching for Learning	
	What are the adults doing?	What are the children doing?
	affirmation	
	challenge	formative mistakes
	active listening	justifying reasoning demonstrating
	observing	choosing and explaining
	checking understanding	reviewing and reflecting
	By using the resources available adults will be able to engage in sustained shared thinking with the children to refine and develop their ideas of how to demonstrate their knowledge. The children will be encouraged to revisit the areas they have learnt and relate it to a visit by aliens. They will create a travel brochure and travel agents to send to the aliens	The children will use their knowledge and skills to choose different ways to present their understanding of our world. They will create a presentation or travel brochure for the aliens using writing, pictures, computer printouts They will show a secure understanding by explaining how an alien might see what they have learnt



# WE ARE EXPLORERS



# Class: Apples Teacher: Mrs Down Term/Year: Summer 2020

### **FINAL FLOURISH**

North Rigton Travel agents

### VISIT OUR WORLD

The children will create an exhibition inviting aliens to visit Earth.

They will create travel brochures, information and models of how to get here, what the aliens might need to bring with them and where they can stay.

We will invite parents to role play being aliens to visit the travel agent and find out how they can book a holiday to Earth.