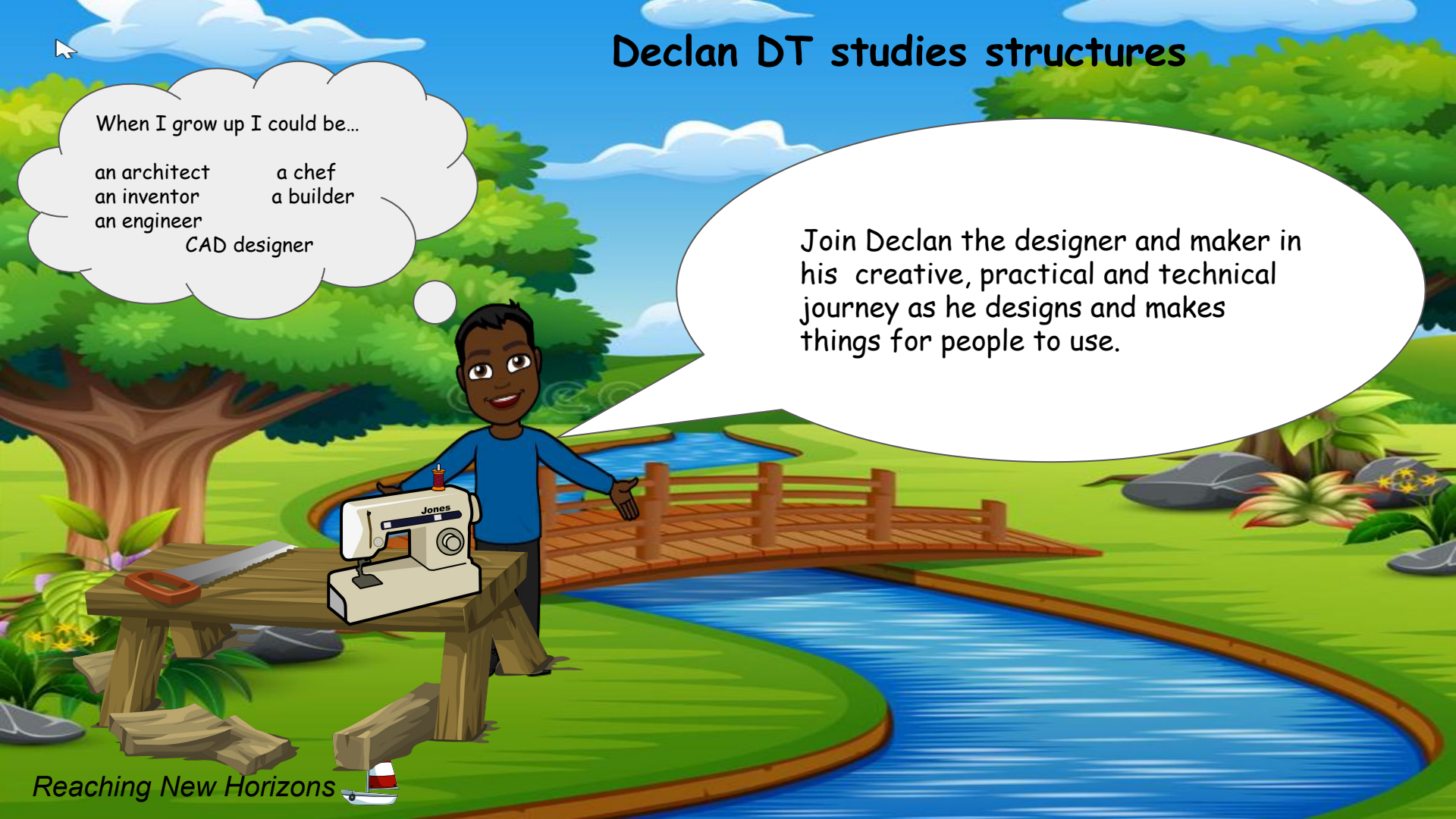
Declan DT studies structures

When I grow up I could be…

an architect
an inventor
an engineer
a chef
a builder
CAD designer

Join Declan the designer and maker in his creative, practical and technical journey as he designs and makes things for people to use.



Reaching New Horizons

Nursery

Reception

EYFS Structures

Magic, witches and wizards





Come outside



Join
Stick
Cut
Press
Glue
Bend



Slot
Scissors
Measure
Materials
Fix





Fantasy and Adventure



Like
Dislike
Use
Snip
fold





Terrific tales

Reaching New Horizons

Year 1

Windmills

Key Stage One
Structures

Design
Design criteria
Shape
Measure
Evaluation
Net















Stable
Strong
Test
Weak
Windmill



Product
Equipment
Strengthen
Safety
Assemble

Reaching New Horizons

Key Stage Two Structures

Year 3

Castles

Flag
Net
Recyclable
Scoring
Stable
Structure
Tab
Weak

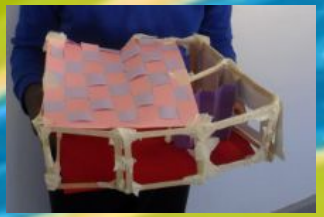


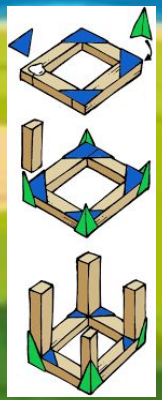


Pavilions

Aesthetic
Cladding
Design Criteria
Evaluation
Frame Structure
Function
Inspiration
Pavilion
Reinforce









Year 4

2D shapes
3D shapes
Castle
Design criteria
Facade
Feature





Stable
Structure
Target audience
Target customer
Texture
Theme

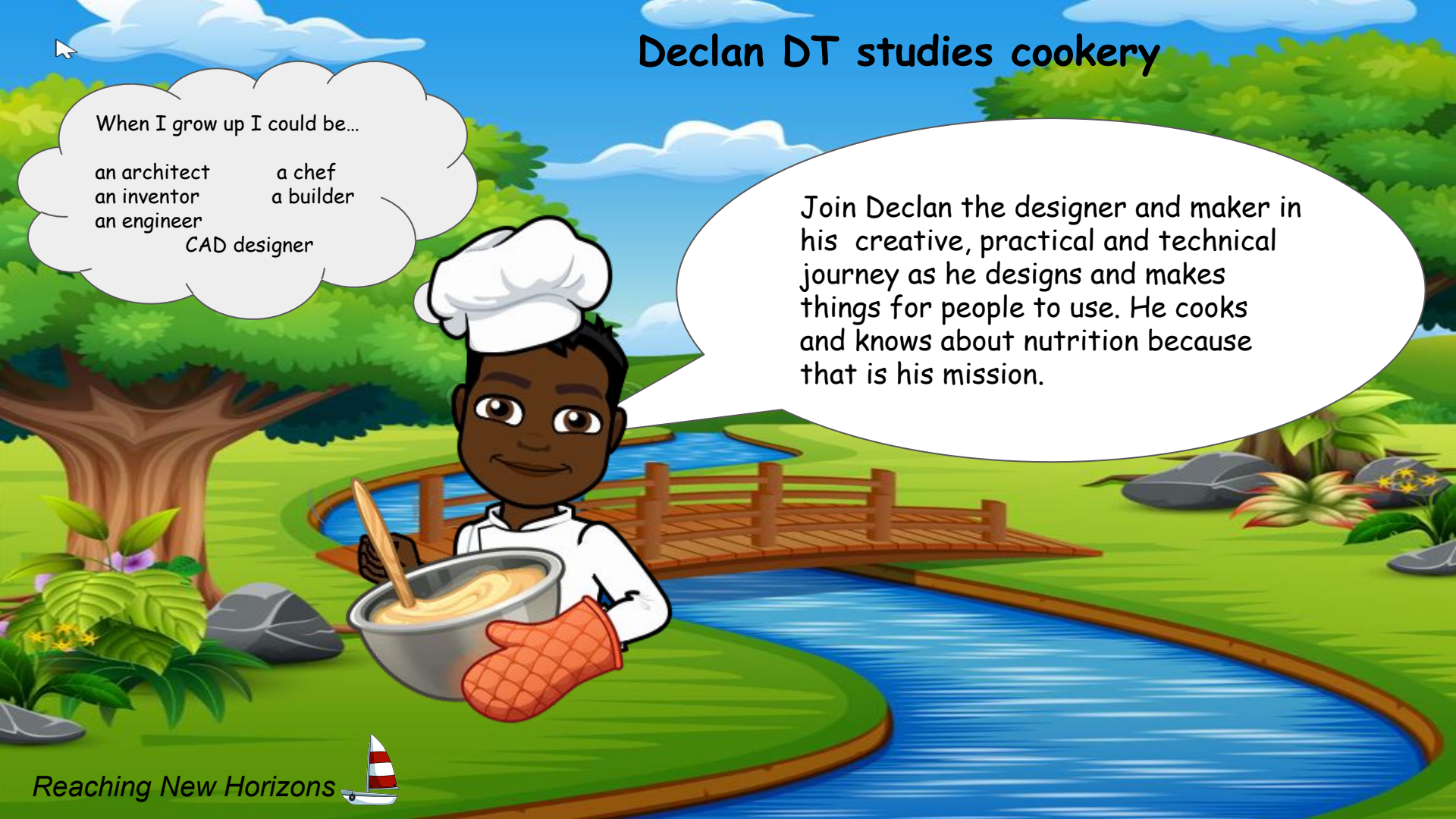
Reaching New Horizons

Declan DT studies cookery

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an inventor
an engineer
a chef
a builder
CAD designer

Join Declan the designer and maker in his creative, practical and technical journey as he designs and makes things for people to use. He cooks and knows about nutrition because that is his mission.



Reaching New Horizons

EYFS Cookery

Nursery

Reception

Fantastic Food



Fruit
Vegetables
Healthy
Unhealthy
Eat
Different
Food
Peel







Terrific Tales



Mix
Cut
Stir
Roll
measure
spread
Balanced diet

Safety
Knife
Blade
Tool
Edge
Handle
Chop
Slice
Cut



Reaching New Horizons

Key Stage One Cookery

Year 1

Healthy smoothies



Soft
Juicy
Crunchy
Sweet
Slice
Peel
Cut
squeeze





Blender
Healthy
Ingredients

Smoothie
Recipe

Year 2

Balanced diet





Grate
Chop
Knead
Decorate
Measure
Spread
Alternative
Diet
Evaluation



Portion
Protein
Hygiene
Healthy
Unhealthy
Nutrients
Sugar
Substitute



Reaching New Horizons

Eating Seasonally

Year 3







Climate
Dry climate
Exported
Imported
Nationality
Nutrients
Recipe
Seasonal food
Seasons





Measure
Weigh
Adapt
Utensils
Texture
Taste
Sweet
sour





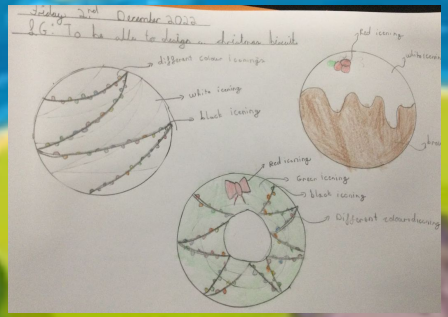
Reaching New Horizons

Key Stage Two Cookery

Christmas Bake -Off



Year 5





Design
Decorate
Measure
Refine
Packaging
Method

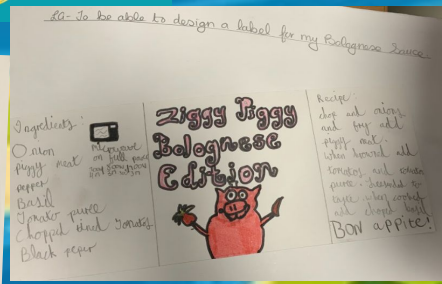


A Healthy Bolognaise









Combine	fold	knead	stir
Pour	mix	whisk	beat
Roll	shape	crumble	

Reaching New Horizons

Declan DT studies textiles

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Reaching New Horizons

Nursery

Reception

Expressive art and design

Ticket to ride

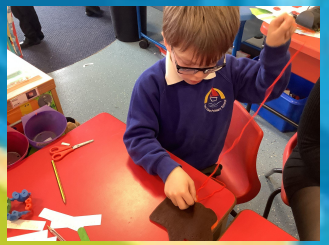
EYFS Textiles













Materials
Stick
Cut
Tools
join

Thread
Weave
Needle
Material
Pattern
Sew







Reaching New Horizons

Year 2

Pouches

Key Stage One
Textiles







Accurate
Knot
Pouch
Running stitch
Sew
Shape
Stencil



Tools
Fabric
Scissors
Template





Pattern
Mark out
Join
Decorate
finish



Reaching New Horizons

Year 5

Stuffed toys



Seam
Reinforce
Hem
Template
Pattern
Accurate
Annotate
Detail
Evaluation
Fabric
Stuffing



Year 6

Pencil cases



Adapt
Detail
Fabric
Fastenings
Knot
Shape
Target audience
Target customer









Key Stage Two
Textiles

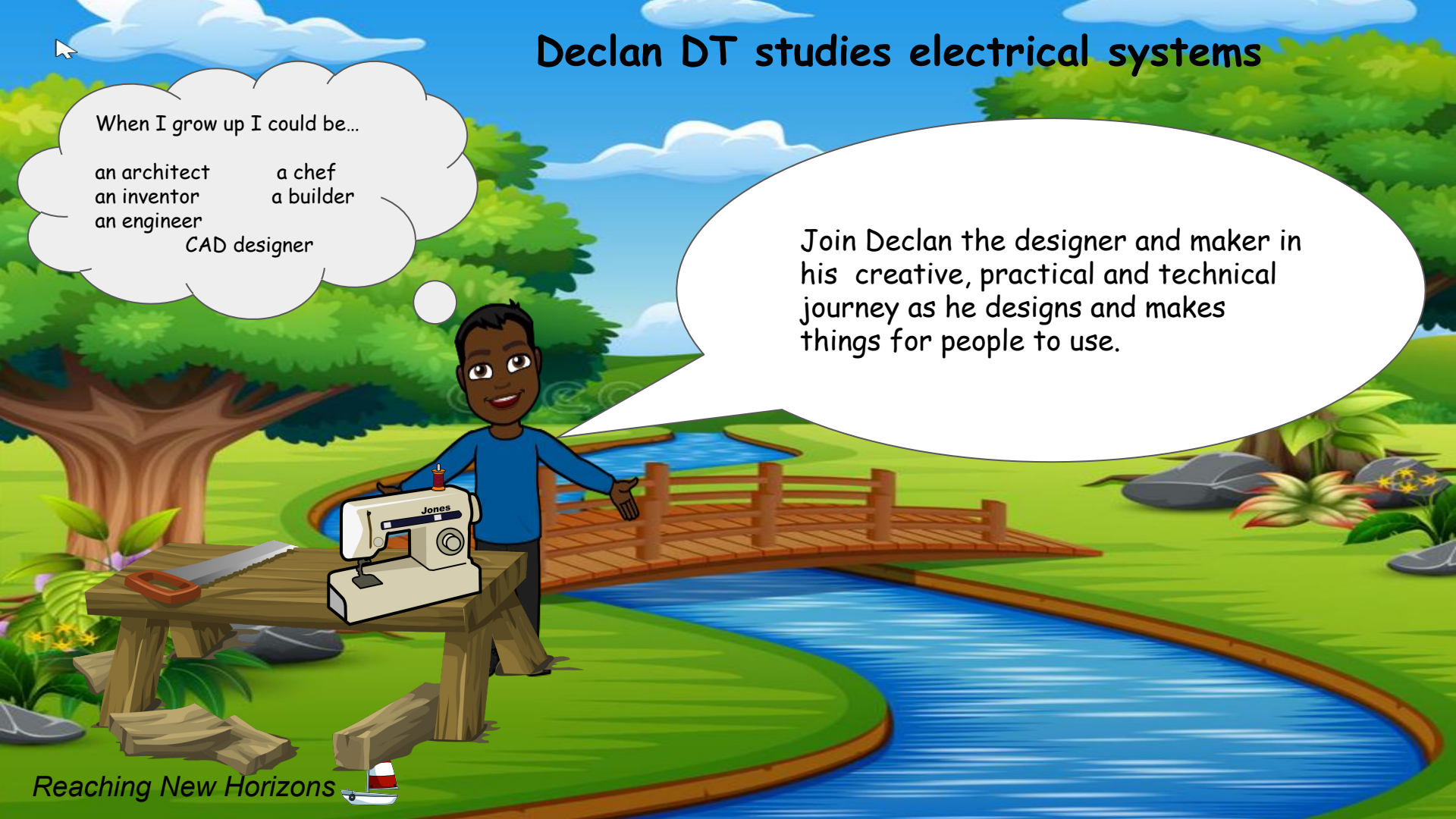
Reaching New Horizons

Declan DT studies electrical systems

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Reaching New Horizons

Key Stage Two
Electrical systems

Year 4



Torches





Buzzer
Cell
Conductor
Insulator
Test
Electricity
Function
Torch

Circuit
Switch
Battery
Bulb
wire





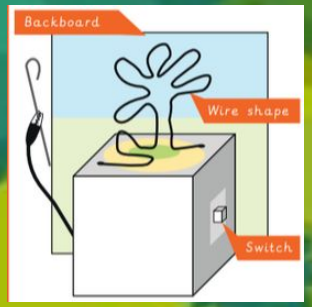




Reaching New Horizons

Key Stage Two
Electrical systems

Steady hand games



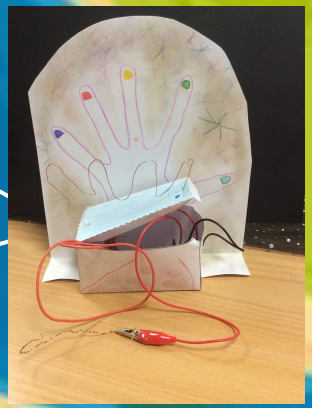


Year 6

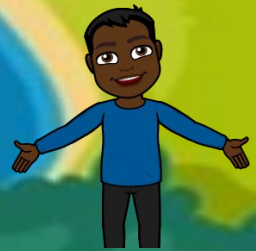


Bulb
Battery
Wire
Insulator
Conductor
circuit

Switch
Light depending resister (LDR)
Light emitting diode (LED)
Assemble
Component
Evaluation
Fit for purpose
Function







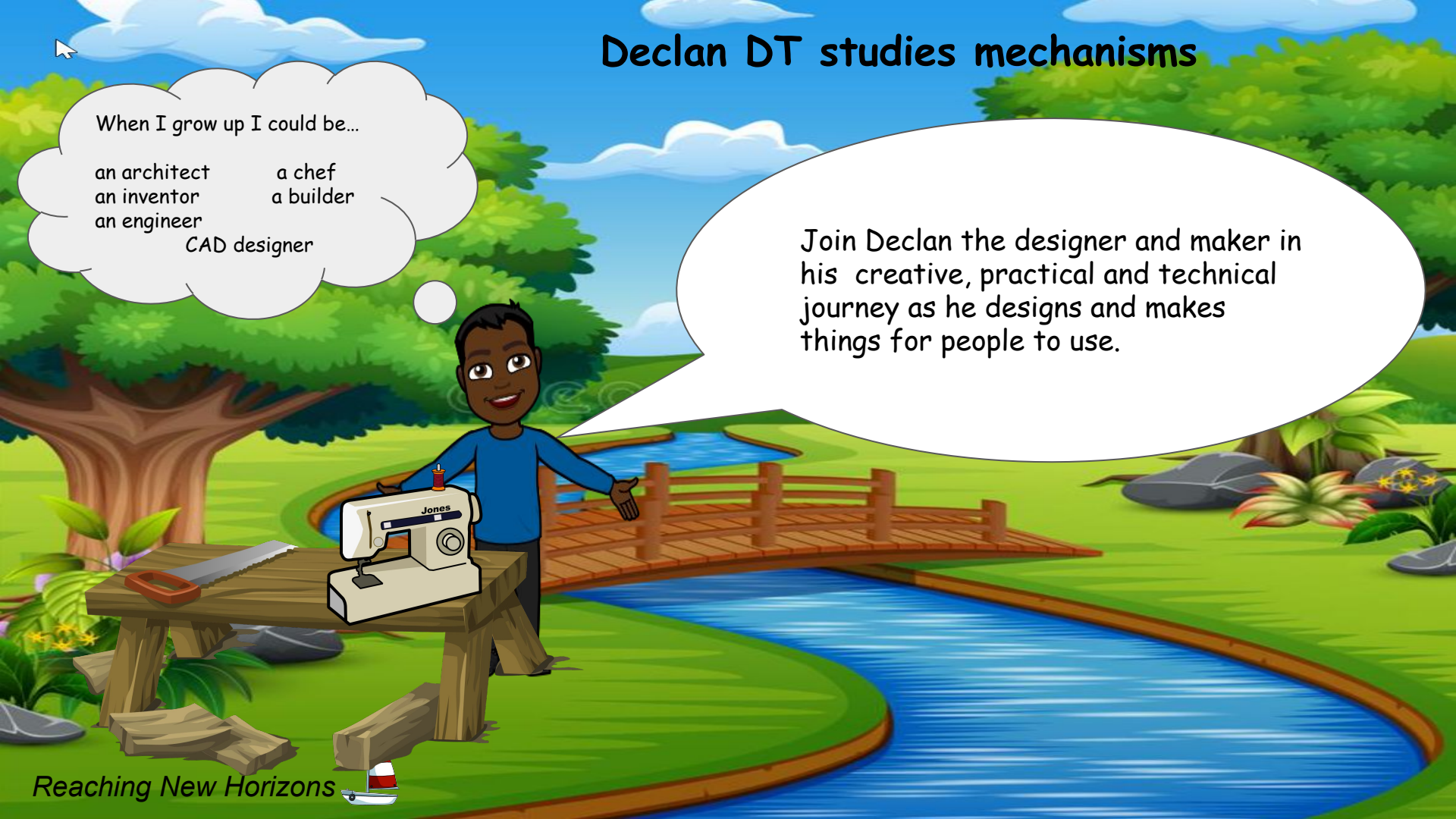
Reaching New Horizons

Declan DT studies mechanisms

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Reaching New Horizons

Key Stage One Mechanisms

Wheels and axles

Year 1







Axle
Axle holder
Chassis
Design'
Evaluation
Fix
Mechanic
Mechanism
Test
Wheel

Vehicle
Cutting
Joining
Shaping
Finishing
moving

Moving monsters

Year 2







Evaluation
Input
Lever
Linkage
Linear motion
Mechanical
Mechanism

Oscillating motion
Output
Pivot
Reciprocating motion
Rotary motion
Survey

Reaching New Horizons

Year 4

Pneumatic toys



Slingshot cars

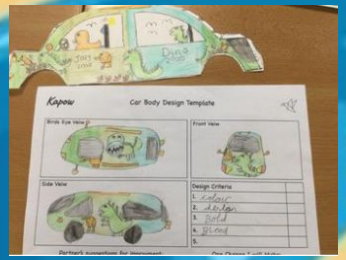
Key Stage Two
Mechanisms

Year 5















Exploded diagram
Function
Input
Lever
Linkage
Mechanism
Motion

Net Output pivot
Pneumatic system
Thumbnail sketch

Aesthetic
Air resistance
Chassis
Design
Design
criteria
Function
Graphics
Kinetic
energy
Mechanism
Net
Structure



Reaching New Horizons