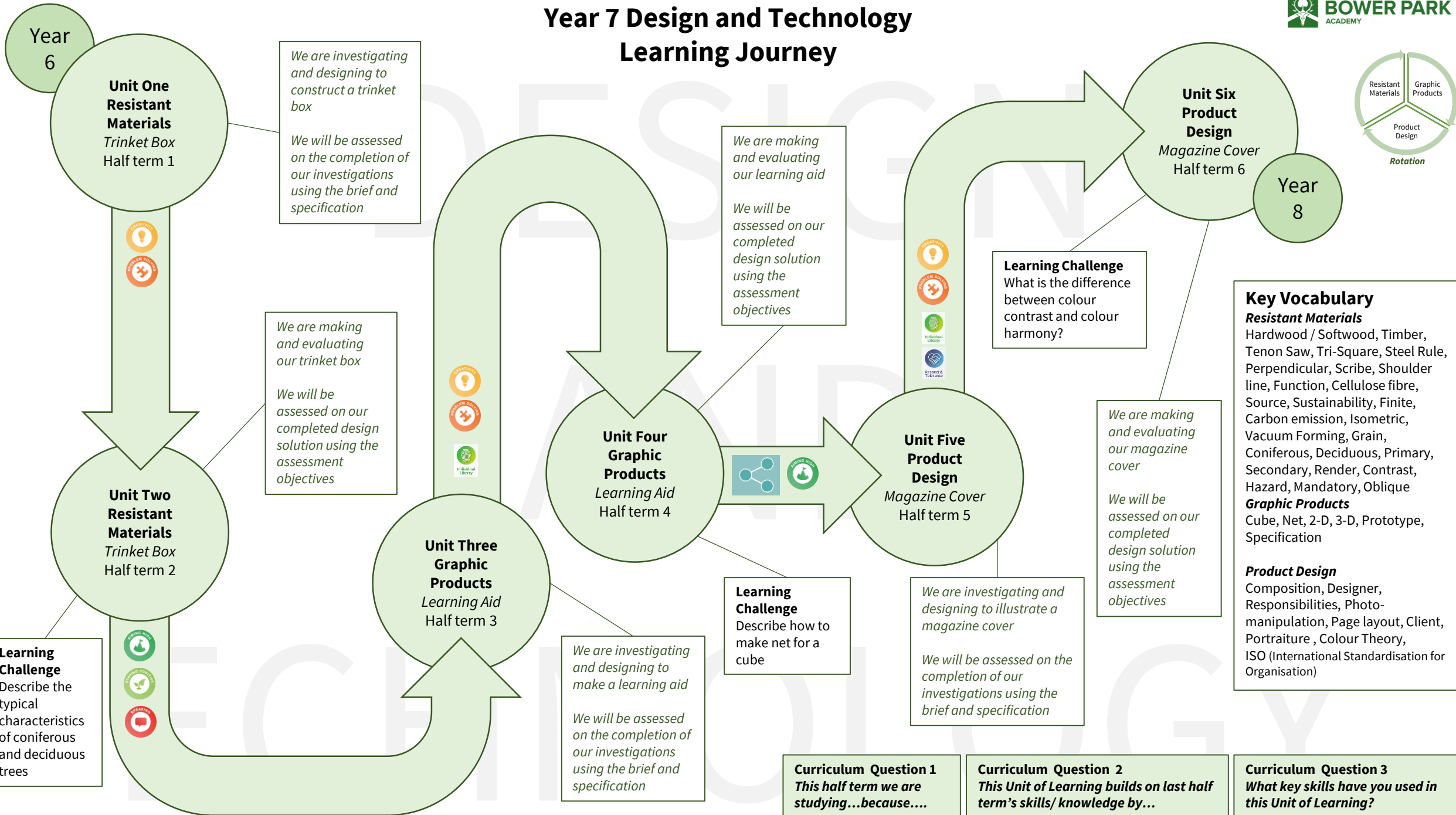
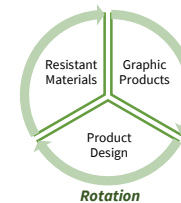


# Year 7 Design and Technology Learning Journey



**Year 6**

**Unit One  
Resistant  
Materials**  
Trinket Box  
Half term 1

*We are investigating and designing to construct a trinket box*

*We will be assessed on the completion of our investigations using the brief and specification*

*We are making and evaluating our trinket box*

*We will be assessed on our completed design solution using the assessment objectives*

**Unit Two  
Resistant  
Materials**  
Trinket Box  
Half term 2

**Learning Challenge**  
Describe the typical characteristics of coniferous and deciduous trees

**Unit Three  
Graphic  
Products**  
Learning Aid  
Half term 3

*We are investigating and designing to make a learning aid*

*We will be assessed on the completion of our investigations using the brief and specification*

**Unit Four  
Graphic  
Products**  
Learning Aid  
Half term 4

*We are making and evaluating our learning aid*

*We will be assessed on our completed design solution using the assessment objectives*

**Unit Five  
Product  
Design**  
Magazine Cover  
Half term 5

**Learning Challenge**  
Describe how to make net for a cube

*We are investigating and designing to illustrate a magazine cover*

*We will be assessed on the completion of our investigations using the brief and specification*

**Learning Challenge**  
What is the difference between colour contrast and colour harmony?

*We are making and evaluating our magazine cover*

*We will be assessed on our completed design solution using the assessment objectives*

**Unit Six  
Product  
Design**  
Magazine Cover  
Half term 6

**Year 8**

**Key Vocabulary**

**Resistant Materials**  
Hardwood / Softwood, Timber, Tenon Saw, Tri-Square, Steel Rule, Perpendicular, Scribe, Shoulder line, Function, Cellulose fibre, Source, Sustainability, Finite, Carbon emission, Isometric, Vacuum Forming, Grain, Coniferous, Deciduous, Primary, Secondary, Render, Contrast, Hazard, Mandatory, Oblique

**Graphic Products**  
Cube, Net, 2-D, 3-D, Prototype, Specification

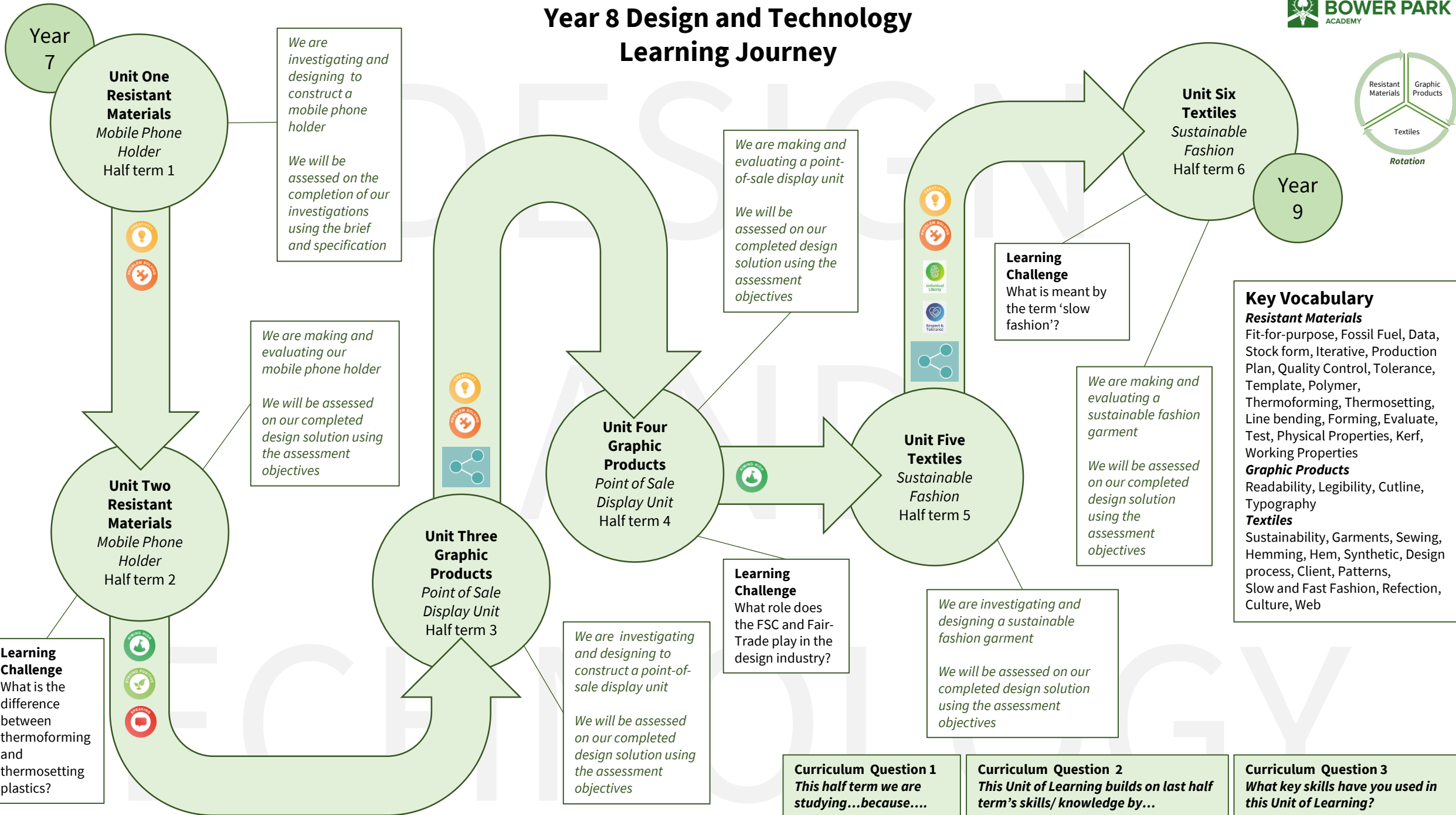
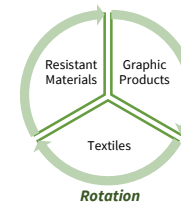
**Product Design**  
Composition, Designer, Responsibilities, Photo-manipulation, Page layout, Client, Portraiture, Colour Theory, ISO (International Standardisation for Organisation)

**Curriculum Question 1**  
This half term we are studying...because....

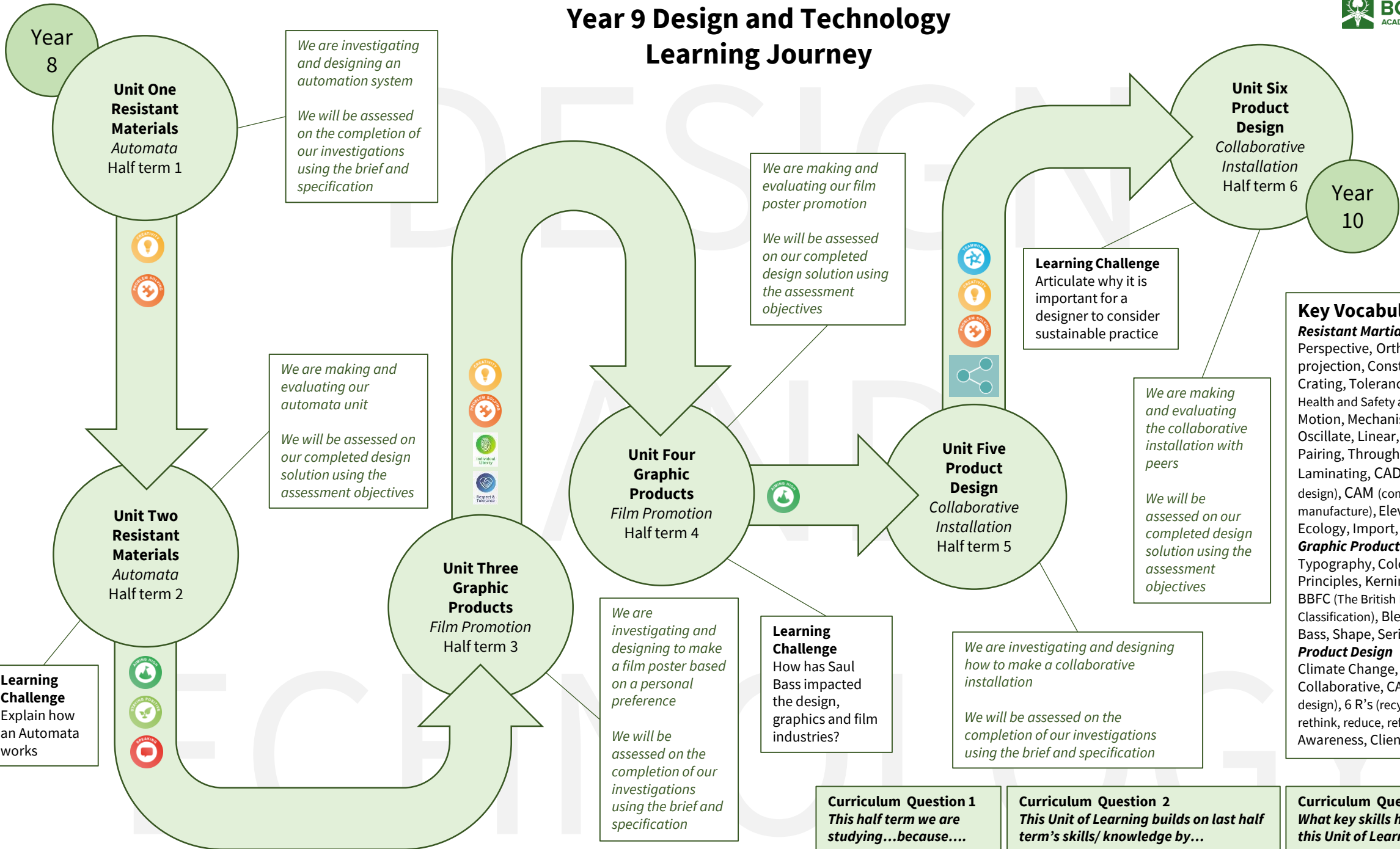
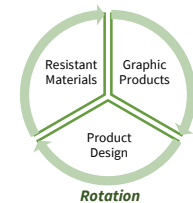
**Curriculum Question 2**  
This Unit of Learning builds on last half term's skills/ knowledge by...

**Curriculum Question 3**  
What key skills have you used in this Unit of Learning?

# Year 8 Design and Technology Learning Journey



# Year 9 Design and Technology Learning Journey



**Year 8**

**Unit One  
Resistant  
Materials**  
Automata  
Half term 1

*We are investigating and designing an automation system*

*We will be assessed on the completion of our investigations using the brief and specification*

*We are making and evaluating our automata unit*

*We will be assessed on our completed design solution using the assessment objectives*

**Unit Two  
Resistant  
Materials**  
Automata  
Half term 2

**Learning Challenge**  
Explain how an Automata works

**Unit Three  
Graphic  
Products**  
Film Promotion  
Half term 3

*We are investigating and designing to make a film poster based on a personal preference*

*We will be assessed on the completion of our investigations using the brief and specification*

**Unit Four  
Graphic  
Products**  
Film Promotion  
Half term 4

*We are making and evaluating our film poster promotion*

*We will be assessed on our completed design solution using the assessment objectives*

**Learning Challenge**  
How has Saul Bass impacted the design, graphics and film industries?

**Unit Five  
Product  
Design**  
Collaborative  
Installation  
Half term 5

**Learning Challenge**  
Articulate why it is important for a designer to consider sustainable practice

*We are investigating and designing how to make a collaborative installation*

*We will be assessed on the completion of our investigations using the brief and specification*

*We are making and evaluating the collaborative installation with peers*

*We will be assessed on our completed design solution using the assessment objectives*

**Unit Six  
Product  
Design**  
Collaborative  
Installation  
Half term 6

**Year 10**

**Key Vocabulary**

**Resistant Materials**  
Perspective, Orthographic projection, Construction line, Crating, Tolerance, HASAWA (The Health and Safety at Work Act), Motion, Mechanism, Reciprocal, Oscillate, Linear, Rotation, Crank, Pairing, Through hole, Blind hole, Laminating, CAD (computer aided design), CAM (computer aided manufacture), Elevation, End grain, Ecology, Import, Export

**Graphic Products**  
Typography, Colour Theory, Design Principles, Kerning, Audience, BBFC (The British Board of Film Classification), Bleed, Logo, Saul Bass, Shape, Serifs, Font

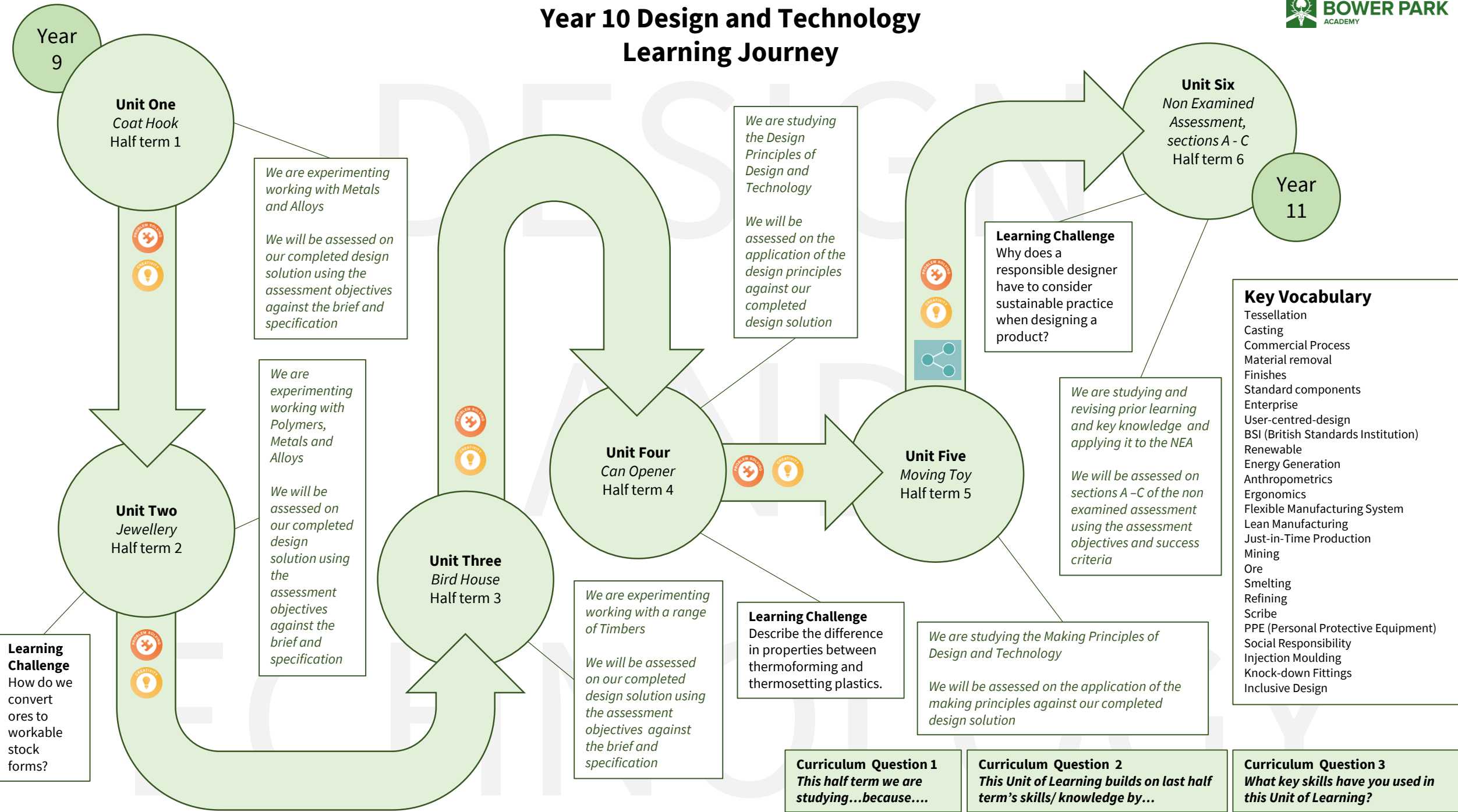
**Product Design**  
Climate Change, Installation, Collaborative, CAD (computer aided design), 6 R's (recycle, reuse, repair, rethink, reduce, refuse), Sculpture, Awareness, Client, Wire, Printing

**Curriculum Question 1**  
*This half term we are studying...because....*

**Curriculum Question 2**  
*This Unit of Learning builds on last half term's skills/ knowledge by...*

**Curriculum Question 3**  
*What key skills have you used in this Unit of Learning?*

# Year 10 Design and Technology Learning Journey



# Year 11 Design and Technology Learning Journey

