3. Overview: Whole School

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Autumn	Cooking & nutrition Designing and making with food Understanding Health and nutrition Combining tastes and textures to make a product Using basic cutting tools Fruit kebabs	Textiles: Marking out and joining fabric • Making a textile product by marking out, cutting and joining fabric Finger puppets (animals)	joining fabric Making a textile product by marking out, cutting and joining fabric • Understanding ways in which structures can be made stable • Understand how to stiffen materials • Understand how to stiffen materials		Structures: Musical instruments Investigate instruments from different times and cultures Understand how shape and materials used can alter sound Investigate a range of finishing techniques Rainmaker	Structures • Understand why structures sometimes fail • Investigate and use techniques to reinforce and strengthen structures • Design and make a structure for a specific tasks Design and build an aqueduct	
Spring	Static Structures Creating models from sheet and reclaimed materials Understand about basic structures and how they can be made stronger/more stable Use range of fixing techniques Castles Mechanisms: Wheels, axels, pulleys and levers Joining materials with moving joints Understand how wheels and axels work Understand winding mechanisms Moving vehicle (fire engine) Mechanisms and control: Pneumatics Consider different types of pneumatic structures Know about the movement of simple mechanisms, such as levers and linkages Moving Monster		Textiles: Reinforcing fabric Investigate ways of reinforcing fabric, e.g. over stitching, running stitch Create and use a pattern Develop decorative techniques and fastenings e.g. applique Purse for the Rio carnival	Mechanisms: Moving toys using cams, wheels and axels Understand how mechanisms can be used to produce movement Cut, shape and join components, selecting tools for a specific purpose Roman siege machines	Mechanisms: electrical and computer control Understand how products can be driven by electricity Use motors to control speed and direction of movement Develop structures with cladding and finishing techniques		
Summer	Mechanisms: Pushes, pulls and levers • Understand simple mechanisms that create movement e.g. simple levers and sliders A book with moving parts (transport)	Textiles: Using a paper pattern, joining fabric Use a graphics programme to design a space suit Use a simple paper pattern to draw around and cut out fabric Use simple joining techniques Space suit for an Astronaut	Cooking & nutrition Food preparation techniques Combining appearance, flavour and texture Understand the balanced plate model for healthy eating A Greek Salad	Electrical Control • Draw on understanding of simple electrical circuits and switches • Join components, cut and shape material with precision An alarm system for a precious artefact	Cooking and Nutrition Understand the function and properties of materials Identify, select and use food tools and techniques safely Understand food hygiene Making bread	Textiles • Design for a range of needs – appearance, safety, size, warmth • Use patterns, templates and detailed working drawings • Develop finishing techniques **T Shirts**	



	Cooking & nutrition Fruit kebabs Static structures Castles	Investigate, disassemble, evaluate Investigate, disassemble, evaluate Examine and name a range of fruits, handle and smell them, sketch and label Cut and compare two contrasting fruits, explain terms — skin, peel , flesh and use sensory vocab to describe Evaluate existing products to determine which is best and why Classify fruits according to colour, texture, taste, where grown, how they are eaten Focused practical task Discuss food hygiene practices Name and demonstrate use of simple tools Survey favourite fruits and represent in bar chart Taste test Design and make, evaluate Identify target group and communicate what they intend to make, based on research conducted in survey Select and use appropriate fruit, processes and tools Evaluate product — record in pictures/writing how it look, tastes and if it matches the brief Investigate, disassemble, evaluate Local area walk/visit to castle, sketching and discussion around different types of structures and how space is enclosed Label main features and relate to mathematical shapes Focused practical task Discuss how designers use models to develop and communicate their ideas Build rectangular frames using construction kits and explore ways of making them more stable e.g. a wider base, adding further parts Design and make, evaluate Review the structure and features of a castle from work done in History Create design for model and say how they are going to make it Select from a range of materials Construct a model using 2D and 3D material selected to match the task Talk about their finished castle, identifying what has gone well and what they could have done better	Skills	Finishing skills, including food hygiene Basic food handling, hygienic practices and personal hygiene, including how to control risks Using a variety of tools and equipment to peel, cut, grate, mix and mould food The nutritional value of fruit in a balanced diet
Autumn			Examples and vocabulary	Designing: choosing, investigating, tasting, arranging experimenting, popular, sort, bar chart, pictogram Making: washing, cleaning, peeling, cutting, slicing, grating Knowledge and understanding: salad, fruit, peel, flesh, skin, grater, chopping board, peeler, seeds, pips, stalk, juice, root, leaf, stone, bunch Sensory vocab: crisp, sharp, juicy, sweet, sour, squashy, smooth, crunchy, scented, waxy
			Craftspeople	Local chef
Spring			Skills	Marking out and cutting Use of scissors, snips and hole punching Make clear labelled drawings Fixing and joining Join 2D and 3D materials- gluing, sticking, tying, fixing with split pins Experiment with creating hinges Finishing Collage, painting
Spring			Examples and vocabulary Craftspeople	Designing: choose, try out, discuss, drawing, label, list Making: Join, fix, plan, scissors, hole punch, masking tape Knowledge and understanding: structure, strong, weak, wall, roof, window, portcullis, ramparts, drawbridge, turret, hinge, square, rectangle, triangle, cube, cuboid, cylinder side, edge, surface, on top of, underneath, smaller than, larger than, symmetrical, beside, next to Local architect
Summer		Explore simple mechanisms and levers using strips of card and construction kits Fxplore ways of stiffening strips of card using pine cleaners, straws	Skills	Marking out and cutting • Assemble strips of card to make levers and sliders Fixing and joining • Levers Finishing
	Mechanisms Book with moving parts		Examples and vocabulary	Collage, colouring Designing: idea ,discuss, choose, drawing, labelling Making: hole punch, paper fastener, join, cut, planning Knowledge and understanding: moving, handle, lever, pivot ,pull, slider, direction, balance, movement, forward, backwards, order, sequence, length
			Craftspeople	

Autumn	Textiles Finger puppets	Investigate, disassemble, evaluate • Examine a range of finger puppets – what are they made of?, how are they out together? What has been added? Who are they for? How well made are they? • Draw and label, rate an example of a finger puppet Focused practical task • Explore simple ways to add features to bring puppets to life Design and make, evaluate • Discuss purpose of finger puppets – story telling, role play, entertainment • Agree simple criteria: must be an animal to link to science (living things and their habitats), a good puppet should be • Consider how a basic template might be adapted and sewing/fixing techniques can be used • Make paper mock up and adjust as needed when making fabric version • Evaluate against design criteria	Skills	Marking out and cutting Make clear labelled drawings Using templates as a pre curser to pattern making. Experiment with using a template to draw and cut out 2 identical shapes Cutting fabric Fixing and joining Joining fabric by sewing-Practice basic sewing techniques – starting, ending, running stitch
			Examples and vocabulary	Designing: user, list, label, drawings, ideas, mock-up, choose, decide, evaluate, try out, standard unit Making: plan, template, fabric, cutting out, sewing, needle, thread, running stitch, adding Knowledge and understanding: seam, stitch, strong, quality, features, strengthen, reflective symmetry, position, to, towards
			Craftspeople	J. Henson (Muppets creator)
Spring	Mechanisms Vehicles (fire engine)	Investigate, disassemble, evaluate • Discuss and list different types of vehicles and their features – why do vehicles have wheels? Are they all the same size? How many? Why are vehicles different shapes? Why do some have parts that move/light up?. • Identify parts of vehicles – wheel, axels, chassis, body, cab Focused practical task • Look at pictures in books and magazines and sort into Venn based on parts identified Design and make, evaluate • Set design criteria – who is the suit for? What features are needed? Why? • Draw out and label the design • Use graphics program to create a template to act as a pattern • Identify tools and materials needed and method of joining fabrics to be used • Set order for making • Evaluate against design criteria	Skills	Marking out and cutting Use of base kits/use of net for cuboid Fixing and joining Try out different ways of making axel holders Mechanical and control skills Join wheels and axles Finishing Try out different finishing techniques –collage, paint, cut out shapes, computer generated images to match a design brief.
			Examples and vocabulary	Designing: purpose, user, use, explore, predict, size, shape, style, function, features- ladder, hose, siren, cab Making: joining, combining, connecting, testing, attaching adding, changing Knowledge and understanding: vehicle, wheels, chassis, axel, doweling, hole punch, logo, distance,
			Craftspeople	Local museum of transport
Summer	Textiles A suit for an astronaut	Investigate, disassemble, evaluate Look at images/video of component parts of a space suit Discuss types of fabric used and their properties Focused practical task Become familiar with paint or draw software package Design and make, evaluate Set design criteria – who is the suit for? What features are needed? Why? Draw out and label the design Use graphics program to create a template to act as a pattern Identify tools and materials needed and method of joining fabrics to be used Set order for making Evaluate against design criteria	Skills	Marking out and cutting Make clear labelled drawings Using paper patterns on fabric- pinning, tracing around outline of component parts Cutting with precision Using computer graphics drawing packages as part of the design process Fixing and joining Fabric joining techniques – lacing, stitching, stapling, gluing, taping
			Examples and vocabulary	Designing: discuss, select, choose, try out, ideas, adapt, adaptations, experiment, evaluate, mock up, predict, properties, reasons, comfort, practical, light weight, flexible, tough, warm, heat proof Making: pin, pattern, parts, join, cut, measure, shape, fabric, template, needle, thread, ruler, tape measure Knowledge and understanding: outline, stitch, strengthen, quality, seam, centre, side, panel, line, Sensory vocab:
			Craftspeople	Amy Ross (NASSA)

Autumn	Free standing structures Photo frame	Investigate, disassemble, evaluate • Investigate free standing item — why is it important they are stable? How does this relate to their purpose? Would they work if they were not strong and stable? • Consider how photo frames stand up, look at range of examples • Consider design features relating to its purpose — how easy is it to insert a photo? How well can it be seen? Who would use it? How does this link to the style/finish of the frame? • Identify component parts and label drawings Focused practical task • Use construction kit to investigate building stable structures — chair/bridge • Make free standing photo frame shape from pipe cleaners and a sheet of card/paper Design and make, evaluate • Consider design criteria — who is the frame for? How will it stand up?, How will the photo be added? What shape will it be? Where will the weak points be? How will they be reinforced and decorated? Sketch and label design. • Set order for making • Evaluate against design criteria	Skills	Marking out and cutting • Developing ideas through precise and labelled drawings • Use of a junior hacksaw Fixing and joining • Mitre joint • Stiffening materials and making stable structures - rolling, folding, and layering, reinforcing corners Finishing • Collage, painting, decoupage, varnishing for durability
			Examples and vocabulary	Designing: user, choice, decoration quality, component parts, purpose, size, shape, orientation Making: planning, order, rolling, layering, cutting, mitre, joint, cutting finish, board, bolsar Knowledge and understanding: stable, free standing, stiffen, frame, sturdy, reinforce, deep, narrow, shallow, thick, thin, distance, align, margin
			Craftspeople	Visit to a local Art gallery
Spring	Mechanisms and control Pneumatics (moving monsters)	Investigate, disassemble, evaluate • Look at objects that use air to make them work – recorder, pump, party blower – What does the air do? How has this been used in the design of these products? • Demonstrate simple pneumatic systems with a balloon and tubing, x2 syringes Focused practical task • Explore making a pneumatic system with either balloons or syringes and tubing • Revise making hinges Design and make, evaluate • Discuss the design brief – consider what the monster needs to be able to do e.g. open its mouth, lift its head, move its wings. How big will it be?, How will the movement be achieved? What materials are needed? Audience/user? • Consider the constraints – weight, stability, range of materials available, • Complete detailed and labelled drawings • Set order for making • Evaluate against design criteria Investigate, disassemble, evaluate • Understand the 'balanced plate' model of food groups, name the groups • Look at a range of packaged salads and evaluate appearance, taste, smell, texture • Survey the most popular choice and consider reasons for choices made • How have the salads been packed and stored in the shops to preserve their life? Which materials have been used and why? What happens to food that is wrongly/badly packaged? • Discuss which sorts of foods need to be kept in the fridge Focused practical task • Practise using knife to cut and slice, grater safely and correctly. Design and make, evaluate • Create design from specified range of ingredients for agreed user • Set order for making • Evaluate against design criteria	Skills	Marking out and cutting Consider the limitations on scale and scope of design ideas and reflect these in precise, labelled drawings Work safely with a range of hand tools Mechanical and control skills Understand how pneumatic systems work Understand how simple levers work Fixing and joining Extend understanding of ways of fixing and joining components and selecting most appropriate for a given task
			Examples and vocabulary	Designing: mind map, suggestion, evaluate, ideas, constraints, limitations, possible, impossible, probable, likely Making: Planning, storyboarding, components, pieces, fixing, syringe, tubing, attaching, finishing, decorating Knowledge and understanding: control, pneumatic, system, pressure, inflate, deflate, output, pump, hinge, fastest, slowest, often, always, sometimes, never
			Craftspeople	R. L. Stephenson (Rocket)
Summer	Cooking & nutrition Greek salad		Skills	Marking out and cutting • Use sharp tools correctly Finishing skills, including food hygiene • Food preparation techniques(tearing, cutting, slicing, grating) and ways of combining foods to make a product for a particular purpose • Combining foods on the basis of taste, appearance and texture • Understanding of a healthy and balanced diet • Understanding of food classes
			Examples and vocabulary	Designing: texture, taste, appearance, healthy,, reference, criteria, refrigeration, freezing, salting, preserving, pickling, brining Making: cut, slice, grate, chop, blend, chopping board, knife, grater Knowledge and understanding: ingredients, food groups, hygiene, high risk, healthy eating, food preparation, balanced plate, sensory – sweet, sour, bitter, salty
			Craftspeople	Jamie Oliver, Vefa Alexiadou

Autumn	Mechanisms <i>Linkages</i>	Investigate, disassemble, evaluate • Look at pop up books and greetings cards with pop ups and moving parts – spinners, levers, tabs, sliders. How do the parts move? What are the mechanisms and how do they work? Number of parts? How are parts joined? What is the impact made? • Look at layout, size, font used for text and how pictures, colour has been used Focused practical task • Model different types of mechanism using paper/card, split pins, paper clips, drawing pins Design and make, evaluate • Set design brief – A guide to the rainforest with pop ups and moving parts for a child • What mechanisms will be used? How many moving parts? How many pages? • Consider the way each page will be finished. • Make an outline plan, list tools materials and processes and set the order of making • Evaluate	Skills	Marking out and cutting Begin to develop alternative ideas, using drawings, plans and models and make choices between them Measuring accurately, marking out, cutting, folding, scoring, Fixing and joining Understand linkage mechanisms and the type of movement they produce Relate a mechanism to its purpose and select for a desired type of movement Finishing Collage, printing, drawing, use of font, size, colour, layout. Understand what makes a quality finish
			Examples and vocabulary	Designing: model, mock up, plan , fit for purpose Making: fold, adhesive, score, cut, join, temporary fixing, permanent fixing Knowledge and understanding: linkage, level, pivot, flexible, shape, joint, hinge, area, surface, cover, linear and rotary movement
			Craftspeople	Matthew Rhinehart
Spring	Textiles Purse for Rio carnival	Investigate, disassemble, evaluate Look at a collection of purses, wallets and belt bags. Consider the seams, seam allowance, fastenings and identify key parts – gusset, strap, hem What sort of fabric is used? How does this relate to its purpose? How is it reinforced? Who is it used by? Focused practical task Practise running stitch, back stitch, starting and finishing, weaving and knitting on pieces of fabric – Which is strongest and why? Discuss the properties of different types of fabric and select one suitable for the task Practise with different types of fastening and select one suitable for the task Design and make, evaluate Set design criteria- draw up a design spec with alternative ideas, final drawings and action plan Review progress – How well is this working? Are changes to the design needed? Evaluate finished product	Skills	Marking out and cutting Using patterns and templates with more than 2 pieces Begin to develop alternative ideas, using drawings, plans and models and make choices between them Fixing and joining Joining and reinforcing fabrics Demonstrate fabric can be joined in a number of different ways – sewing using a range of stitches Finishing Use decorative techniques such as dyeing and embroidery, embellishing, applique, fabric paints, fastenings
			Examples and vocabulary	Designing: user, purpose, design criteria, alternatives, model, specification, stiffening, reinforcement Making: pattern, template, strength, support Knowledge and understanding: fabric, fastening (and related types), compartment
			Craftspeople	Jackie Gale
Summer	Electrical control Alarms	Investigate, disassemble, evaluate Discuss examples of alarm systems – when and where they are used and what for. Discuss dangers of mains electricity Look at and take apart a range of commercially produced switches which work in different ways – slide, reed, tilt, push to make, push to break Focused practical task Experiment with producing circuits that are triggered in some way e.g. someone treading on something or lifting something, including using a computer programme Discuss the idea of 'feedback' in an alarm system e.g. motion sensors trigger bell to ring Design and make, evaluate Consider the design brief – What type of circuit and switch will be used ? How will a control box or programme be used? Action plan Create a proto type and review how well it works. Review during the process, Test Evaluate final product linking back to the design brief	Skills	Marking out and cutting Develop digital working prototypes Mechanical and control skills Understand simple electrical control. Understand how to use digital technology to produce simulations using a computer control programme — inputs and outputs,
			Examples and vocabulary	Designing: digital prototype, communicate, model, Making: join, circuit, alarm, rectify, fault, test, adjust, modify, Knowledge and understanding: Feedback, input, output, LED, bulbs, buzzers, control
			Craftspeople	School alarm system

Autumn		Structures <i>Musical instruments</i>	Investigate, disassemble, evaluate Discuss a range of musical instruments — what are they made of ? What is the structure (solid or hollow), does it have a box/stem/arm? What part makes the noise? Which parts need to be strong? How can the sounds be varied? Why are instruments so important to different cultures? Listen to the sounds they make/music from different cultures showcasing the different instruments. Focused practical task Experiment with making sounds using a range of containers and other resources that can be combined to create shakers, scrapers, strings, drums Discuss the properties of the material, how they can be strengthened and the sounds made when they are combined Design and make, evaluate Identify a purpose for the instrument, e.g. to create rainforest music, which design aspects and set and which are flexible (materials) Select way to record their ideas so others will understand them Set order for making Evaluate against design criteria	Skills	Marking out and cutting Understand the working characteristics of materials and how this links to the product's intended purpose, selecting appropriately Begin to make choices about the way design ideas are presented Fixing and joining Understand how different materials can be reinforced for different purposes Assemble materials in temporary ways as a trial prior to finalizing design choices Finishing Select appropriate methods and resources for finishing a design that reflect the intended use, cultural, geographical or historical influences
	Autumn			Examples and vocabulary	 Designing: investigate, plan, research, texture, intention, structure, outcome Making: mouldable materiel, adhesive, wood glue, shaping, cutting ,flexible, strong, pliable solid, hollow Knowledge and understanding: sound, note, pitch, duration, dynamics, tempo, timbre, strengthen, reinforce,
				Craftspeople	Local music shop/concert hall; peripatetic music teacher
Spring	Spring	Mechanisms <i>Moving toys</i> (<i>Roman siege</i>	Discuss and demonstrate safety aspects of using a bench hook and drill Demonstrate need to measure accurately when mounting the mechanism, how to keep cam in	Skills	Marking out and cutting • Measure accurately(when marking out and drilling holes and mounting the cam • Using sharp tools safely – paper drill, hole punch • Design planning using a storyboard Fixing and joining • Planning ahead, anticipating future actions e.g. using nets to pre-drill holes • Cut and join parts to a main structure Mechanisms and control • Understand how to control movement with a cam mechanism
		machine)		Examples and vocabulary	Designing: sequence, annotated, diagram, sketch, storyboard, choice, decision, prototype, model Making: shape, assemble, accurate, saw, bench hook, clamp, drill, wheels Knowledge and understanding: cam, follower, mechanism, movement linear and rotary motion, pivot, off centre, axel, force, framework, shaft
			Evaluate finished product	Craftspeople	Toymakers guild
		Cooking & nutrition Bread	Investigate, disassemble, evaluate Look at a variety of breads from around the world and cultural traditions Discuss taste, shape, ingredients, texture, survey preferences Understand how bread fits into a balanced diet Focused practical task Experiment with different types of flour and adding different ingredients to bread dough – raisins, choc chips. Try shaping dough and adding different toppings-eg seeds Design and make, evaluate Decide what kind of bread to make and for what sort of occasion Create ingredients list and step by step instructions Make and bake bread, working hygienically and safely Evaluate finished product.	Skills	Marking out and cutting Create own design specification Finishing skills, including food hygiene Accurate measuring and weighing skills, understand that the properties and quantities of ingredients will affect the final product Increased awareness of food safety and hygiene, including the use of ovens
	Summer			Examples and vocabulary	Designing: evaluating, investigation, preference, profile, specification, criteria, fair test Making: ingredients, quantities, shaping, mixing, topping, kneading, proving, baking, cooking method, glazing, washing Knowledge and understanding: Yeast, wheat, grain, flour, dough, crust, rise
				Craftspeople	Paul Hollywood; local bakery

	Structures Aqueducts	Investigate, disassemble, evaluate Investigate a range of structures — What materials used? Why? How have they been used? What do the different parts do? Which structures are the strongest? Research structure of aqueducts — produce labelled drawings Focused practical task Investigate strengthening a square structure with diagonals and triangles, test Experiment with ways of joining materials-plastic, paper, wood, fabric Design and make, evaluate Discuss brief of designing an aqueduct to contain water and transport a model boat Revise findings re how to strengthen structures Develop idea through drawings and models — How will it stand up? Where are the weak points? How will they be reinforced? it stop water from leaking? Test and adjust	Skills	Marking out and cutting Produce several clear design ideas with step by step instructions and resources needed Fixing and joining Know that structures can fail when loaded Know how to reinforce structures and to research info about this from a range of sources Use a variety of temporary and permanent joining techniques, including framework, materials and textiles.
Autumn			Examples and vocabulary	Designing: exploded diagrams, improvements, modify, alternative proposal Making: strength, material, triangle, diagonal, bracket, vertical, horizontal, tension, bending, twisting Knowledge and understanding: reinforce, points of weakness/tension, waterproofing
			Craftspeople	Sir Edward Leader Williams
Spring	Mechanisms Controllable vehicle (Viking longboat)	Investigate, disassemble, evaluate • Experiment with controllable vehicles and consider – Where does the power come from? Compare similarities and differences • How are the models constructed and component parts joined together? Draw and label diagrams from a range of angles (include example of an airboat) Focused practical task • Investigate a range of switches and how they work – build examples • Investigate using a motor to power a fan – how can this produce forward motion? Experiment with paper, motors to create forward motion, how can we change speed and direction? Demonstrate the use of equipment – e.g. wire cutters,/strippers, mounting clips, connector strips Design and make, evaluate • Discuss design brief – an airboat Viking long ship and consider needs of the user • Create designs vis drawings and models, make adjustments after testing • Evaluate final product against the brief	Skills	Marking out and cutting • Draw and label diagrams from different view points Mechanical and control skills • Understand how products can be driven by electricity • Control speed and direction • Use different sorts of switches Fixing and joining • Assembling components to make working models Finishing • Develop a structure with finishing techniques including cladding
			Examples and vocabulary	Designing: exploded diagrams, improvements, modify, view point Making: cutting, cladding, finishing, assembling, components Knowledge and understanding: circuit, series, parallel, control, motor, chassis, connection, switch, spindle, fan, motor mounting clip
			Craftspeople	Yorvik museum
Summer	Textiles T-shirts	Investigate, disassemble, evaluate Collect and discuss a range of T shirts — Who are they for? How do you know? What are they made of? How have they been finished? Consider how designs deal with warmth, fit, appearance, practicality, function, cost and safety Focused practical task Discuss how patterns, templates are used to create garments and how stencils, dyeing, and embellishments are used to decorate them Practice sewing a button, sequins, braid, a pocket to a piece of fabric and stenciling a word by painting inside and around stencil Design and make, evaluate Discuss the design brief, identifying the user, their needs and the product's purpose Create detailed drawings from a range of angles — front, back, sleeves, motif, logo Review design .during making process and evaluate final product against the brief	Skills	Marking out and cutting Understand that designers must address a range of needs when designing clothing – warmth, fit, appearance, practicality, function, cost and safety Fixing and joining Use known skills e.g. applique,, cutting, embellishing, fabric gluing, stenciling and extend to include dyeing and machine sewing Finishing Distinguish between functional and decorative products
			Examples and vocabulary	Designing: specification, flow chart, mood board, mock up, user, swatches, working drawing Making: pattern/template Knowledge and understanding: seam, seam allowance, right side/wrong side, stitch, stitching, tacking, wadding, sewing machine, hem, pocket, zip, embellishment, logo, transfer, motif, graphics, lettering, tassels, sleeves, vest
			Craftspeople	Vivienne Westwood, Paul Frank, Iman Aldebe, Hana Tajima