	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
7 <mark>KS3</mark>	Content <u>Water and the Sea</u> Baseline test	Content <u>Water and the Sea</u> Colour Theory [science, colours of	Content <u>Water and the Sea</u> Introduction to Ceramics	Content <u>Anthropods/Insects</u> Baseline drawing test - insect	Content <u>Arthropods/Insects</u>	Content <u>Arthropods/Insects</u>
	HMK= Introduction to formal elements	light] Jason Scarpace research Jason Scarpace oil pastel study	 Clay techniques Design ideas Clay fish piece production 	Research artist LEVON BISS Knowledge of colour study in colour pencil crayons	SCALE - A3 sugar paper charcoal/collage and crayon	A2 sugar paper Large scale mixed media piece
	Shell studies from secondary sources using traditional media - pencil, biro, ink wash,		Painting and surface decoration of clay tile using water-based paint		Introduction to mixed media	
	pointillism Skill development	Skill development	Evaluation of full project	Ckill development	Skill development	Skill development
	Drawing skills; Planning accurate drawings using basic shapes; Accuracy when applying tone; Annotation to describe studies; Observational drawing	Skill development Colour mixing and application Artist research; Selecting and presenting appropriate information; Sketchbook presentation skills; Controlling and blending oil pastel; Creativity and artistic curiosity;	Skill development Recording and explaining ideas and techniques; Use of surface decoration techniques; Evaluating and reflecting on progress and skills;Making connections between artist's work and designs; Using clay techniques and tools - cutting, joining	Skill development Further artist research skills; Presentation of research and studies; Annotations referring to formal elements; Controlling and blending coloured pencil or other appropriate medium;	Creativity and developing ideas; Planning;	Skill development Reflecting on links with artists and designers;Annotating referring to the formal elements; Self evaluation and reflection; Experimental painting techniques; Working on larger scale/scaling up; Observational drawing
	Assessment AO2& Ao3 focus Experimenting with a range of wet and dry media Annotations (KEY ASSESSMENT)	Assessment A01/A02 focus Artist research and presentation Creative experimenting Controlled use of media	Assessment AO3/AO4 focus Recording ideas, observations and insights for using clay - materials and tools Presenting a personal response Push code	Assessment AO1/AO2 focus Investigation sources and analysing artist's work Use of controlled colour blending	Assessment AO3/AO4 focus Planning and recording ideas Making connections between artist's work and designs Producing a creative response inspired by an artist	Assessment A01/A02 focus Artwork study with analysis Use of media - watercolour (KEY ASSESSMENT)) i
	Contextual Knowledge Formal elements - language of Art & Design	Contextual Knowledge Colour Theory - spectrum/origins of pigment origins of pigments	Contextual Knowledge Historical Pottery processes and cultural uses	Contextual Knowledge link between types of arthropods Biology	Contextual Knowledge Arts industry-Importance of design to product (careers)	Contextual Knowledge Historical/cultural fishing industries
BIG QUESTION?				replicate things natural but	Is nature art? original and art is only a creat	on by human beings. Art tries to reme However beautiful the
8	Content	Content	Content	Content	Content	Content
KS3	Food Baseline test - Pine Cone Food item studies from secondary sources - experimenting with mark- making and blended coloured pencil	Food POP ART MOVEMENT Andy Warhol print-making research and Print (build on previous knowledge of pattern and abstraction) Poly printing (KEY ASSESSMENT) - multiple colour layers	Food Research Cezanne as Easter hwk task Still Life study based on Cezanne using oil pastel Modern Still Life photography as hwk Poster paint study - (Build on previous colour mixing experience)	Art & Cultures Investigation into Aboriginal Art - the types of art, such as negative printing, and geometric pattern used to convey meaning done as hwk or group research task in lesson. https://www.aboriginal-art- australia.com/aboriginal-art- library/the-story-of-aboriginal- art/	Art & Cultures Research into African culture and tribes, and the purpose of African mask Study of Chief Jimoh Buraimoh's work. Creation of own coloured african mask inspired by CJB. Hwk task - Comparison to Chinese mask (design and purpose) Chinese theatre	Art & Cultures Students use Chief Jimoh Buraimoh inspired mask to create a card relief mask. (KEY ASSESSMENT) Mask painting inspired by Chief Jimoh Buraimoh inspired piece.

	Skill development Drawing skills; Precision and refinement when using traditional media; Developed sketchbook presentation; page composition; critical analysis.	Skill development Annotations referring to formal elements; Detailed analysis of sources; Forming and expressing own opinions about art work; Creativity and developing ideas; Planning with annotations; Controlled manipulation of poly plate; Use of colour theory in selecting colours;	Skill development Selection of appropriate information; Detailed analysis of sources referring to formal elements; Paint mixing and application; Use of colour theory when mixing and applying colours;	Study of Aboriginal Art and creating own art works - colour ladder and collage, negative hand painting experiments, dot painting. [science, iron oxides used for aboriginal australian art, Reactivity series] Hwk task - Pattern and meaning related to African tribal tattoos. Skill development Further artist research skills; Presentation of research and studies; Making comparisons between art forms and cultures; Basic compositional understanding; Experimentation; Risk-taking; Application of paint, pattern, and colour inspired by artists and cultures;	mask, Chinese Tibetan Masks. Skill development Creativity and developing ideas; Planning; Annotations referring to formal elements; Detailed analysis of sources; Forming and expressing own opinions about art work and cultural styles; Colour mixing and application;	Skill development Applying 2D design to a 3D relief; Working in relief using layers; Applying surface design; Paint colour mixing and application on a 3D relief surface; Working safely;
	Assessment AO2 focus Experimenting with a range of drawing techniques Annotations Quality of presentation Push Code: Baseline test	Assessment AO3/AO4 focus Planning and recording ideas Making connections between artist's work and designs Producing a creative response inspired by an artist Quality of printing plate and layered colours Push Code & Written: Poly Prints	Assessment A01/A02 focus Producing a creative response inspired by an artist	Assessment A01/A02 focus Investigating sources and analysing artists' work Use of materials in artist study Making connections between artists' work and designs Quality of practical work and designs	Assessment AO2/AO3 focus Experimenting with techniques Planning and recording ideas Making connections between artist's work and designs Producing a creative response inspired by an artist	Assessment AO3/AO4 focus Recording ideas, observations and insights for using relief - materials and techniques Presenting a personal response and making connection to artists Push Code: Mask
	Contextual Knowledge Junk food consumption stats Benefits of healthy eating	Contextual Knowledge Age of consumerism . History of the 50's and 60's. Post war freedoms and teenage trends - fashion - Music - rebel factor - film	Contextual Knowledge Impressionism Post impressionism Nazi-looted art	Contextual Knowledge History and struggles of indiginous people of Australia, connected with the colonialism of the British Empire - America, West Indies. [history, colonialism and migration]	Contextual Knowledge British Colonisation of Nigeri resources <u>https://u.osu.edu/introhuma</u> of-the-british-takeover-of-nig	nitiesonline/2020/02/04/history-
BIG QUESTION	Does the subject matter make Art more or less important?N(Relates to the objects used in the pop art movement - can look at how the subject changed from highbrow to the everyday during mid 19th Century, Gustave Courbet La rencontre 1854, and then further use of everyday objects in pop art.			Should	museums return their colonia n/culture/2019/jun/29/should <u>artefacts</u>	l artifacts? -museums-return-their-colonial-

Content Baseline test - Pine Cone	Content Working on A3 paper for all work	Content HW Research Georgia O'Keeffe	ContentART HISTORY MOVEMENTS TIMELINE	Content <u>POLITICAL PROPAGANDA</u>	Content POLITICAL PROPAGANDA
Natural Forms - Applying formal elements timed, experimenting with ink, blind drawing and drawing with the wrong hand. Tto drawing from primary & secondary sources	Introduction to artist research at GCSE pathway standard - Andy Goldsworthy Land Art - Using natural materials, Autumn Leaves Photography basics of land art arrangements and colour enhancement/contrast of colour edits	Developing photography techniques - using more advanced camera settings and macro lenses Using viewfinders. Work in the computer rooms. Large scale, acrylic painting based on O'Keeffe HW Blossfeldt photography research Working on A3 paper for all work	HW Illustrated timeline of Art movements and historical events. Links to Art that changed the world Look at three artist in two lessons. Watch videos and make notes about each artist. Historical - Michelangelo Last Judgement Looking at Art: Michelangelo's "Last Judgment" Contemporary - Pablo Picasso Guerinca <u>Guernica: What inspired Pablo</u> Picasso's masterpiece? BBC News	Extended HW - Singh Twins - looking at fusion between their dual cultural identity British/Indian Mindmap their own cultural identity. Create a picture that represents their own cultural identity. HW Robert and Roberta Smith Analyse work and reproduce A3 painting. Mind Map positive political messages. Create an A3 mixed media	Introduction to developing a final piece idea Final piece planning Final piece experimentation w media and techniques As the year is workshop base the final piece does not have be a full final piece, but more about introducing students to the idea of planning their own final ideas based on their experiments so far Students can reflect back on their research into the various
		painting	Banksy Girl with Balloon artwork <u>self-destructs (2018)</u> <u>https://mixmag.net/read/icon</u> <u>ic-banksy-artwork-sells-for-</u> <u>over-1-million-immediately-</u> <u>self-destructs-news/</u>	image inspired by Robert and Roberta Smith's work and their own positive political message. Annotate and evaluate their work.	artist from this project in orde to support their final piece.
Skill development Drawing skills (from secondary sources; Basic use of traditional materials for drawing using a range of tone and form; Developing annotations; Presentation and layout at GCSE standard; Basic research/analysis skills; Working with non-traditional natural materials; Basic camera techniques and photography presentation;	Skill development Developing photography skills using camera settings, lenses and more advanced composition; Understanding the importance of primary sources; Working with scale and enlarging in own work; Use of acrylic paints;	Skill development Manual dexterity when creating a challenging print plate and using cutting tools - lino; Planning and forward thinking when preparing layers for print-making; Using reduction print process; Working with fabrics and fabric dyes; OR Applying and interpreting pattern and shape	Skill development Artist research; Selecting appropriate information; Advanced presentation; Replicating artist techniques; Applying practical techniques to own work;	Skill development Applying mixed media creatively; Using image transfer; Experimentation and creativity;	Skill development Developing a final idea using inspiration from previous studies and experiments; Planning and explaining optio Combining ideas and artist- inspired images to create a personalized outcome; Developing creativity;
Assessment AO2/AO3 focus Baseline assessment of drawing skills and annotations Use of formal elements Detail in annotations and correct use of subject specific terminology Research and presentation Push Code:	Assessment AO1/AO2 focus Quality of photography Development of own work from primary sources Quality of acrylic painting	Assessment A01/A02 focus IUse of formal elements Annotations and explanation for processes. Artist research pages: Push Code & Written:	Assessment A01/A02 focus Artist research pages: Creative page design; Thorough analysis of images; Accurate pastiche studies; Application to own work	Assessment A01/A02/A03/Ao4 focus Investigating sources and analysing artists' work Use of materials in artist study Making connections between artists' work and designs	Assessment AO3/AO4 Final idea development and presentation Planning and annotating idea and experimentation Connections to previous work and artists Creative and original respons
Contextual Knowledge Environmental change Pollution issues	Contextual Knowledge Arts and Crafts movement Socialism	Contextual Knowledge Biology - cells	Contextual Knowledge Link to historical events in society.	Contextual Knowledge	Contextual Knowledge

9 **KS3**

				spanish Civil war		
BIG	How long should Art last? St	udente een refer beek te the historie art th	ey looked at in year 8 (aboriginal cave art,	Berlin Wall		
QUESTION		d make comparisons between this and Go				
20-0000				Is Art in a gallery more im	portant than Art in the street?	DANK - local artist, Dead Bod.
10	Content	Content	Content	Content	Content	Content
GCSE	<u>Man Made <mark>/close up</mark></u>	<u>Man Made/ close up</u>	Guided observational self-portrait in	Portraits - Artist Research	Portraits - Exploration	Portraits - Final Piece Planning
	Experimental drawing	Michael Craig Martin research	pencil	development onto own	Experimenting with	Developing an advanced and
	techniques	Line drawings inspired by artists	Studente present research en 2 ertiste	portraits	materials and techniques	personalised final piece idea
	Jim Dine artist research	Experiment with composition and painting in the style of Michael Craig	Students present research on 2 artists including information about the artist,	Experimenting with Media	related to own interests and ideas	Detailed final piece planning Experimenting and selecting
		Martin	thorough analysis of their work, and their	Students will explore a range	Collecting photographic	most successful materials and
	Observational drawing using a	Develop final idea using inspiration	own studies	of media, materials and	imagery related to own	techniques
	range of media appropriate to the group such as charcoal,	from artist research and own personal	Studies should include pastiche of the	technique	interests and ideas	Collecting final piece imagery
	monoprint, collograph,	response.	work and interpretation of the style using		Primary source drawings	
	sgraffito, graphite		an appropriate media		Developing ideas	
		LAST x1 week of term start Portraits - Observational studies of own facial	Artists should include historic and		Combining artist techniques	
	Colour study in the style of	features	contemporary examples. Student may		techniques	
	DIne using watercolour and ink wash	Experimenting with Media	be directed towards:			
		Students will explore a range of media,	Van Gogh -Pablo Picasso -Julian Opie -			
		materials and techniques using	Lichtenstein			
		secondary sources of facial features	Francoise Nielly -Jason Thielke -Ed			
		Evennes of modic movingludes	Fairburn -Sean Williams -Andy Warhol -			
		Examples of media may include:Coloured pencil	Lorena Cosba -Henrietta Harris Jonathan Yeo -Toby Mulligan -Dolk			
		 Felt tip wash 	Lundgren			
		 Pencil crayon 				
		• Biro	Students encouraged to identify their			
		Watercolour	own 3rd artist to make their project			
		Collage	more individual and reflect their own			
		Mono printBleach drawing	experiences and interests			
	Skill development	Skill development	Skill development	Skill development	Skill development	Skill development
	Creative and expressive use of	Advanced artist research;	Advanced artist research;	Advanced presentation;	Developing own ideas;	Planning options for final piece
	materials;	Selecting appropriate information;	Selecting appropriate information;	Replicating artist techniques;	Developing creativity;	ideas;
	Advanced artist research;	Making connections and comparisons	Advanced presentation;	Applying practical techniques	Selecting iate materials and	Justifying choices for ideas,
	Selecting appropriate	between artists and styles;	Replicating artist techniques;	to own work;	techniques related to own	materials and techniques;
	information;	Experimental use of composition;	Applying practical techniques to own		ideas;	Using a combination of artists
	Developing a range of skills using 2D materials and	Planning and development of final pieces including a personal idea	work ;Selecting own appropriate artists and		Making connections between artists and styles	and personal sources so create an individual response;
	processes;		sources;		to develop original ideas	
	Applying mixed media to a	LAST x1 week of term start Portraits -	Advanced artist research;		and techniques;	
	study;	Advanced and creative use of	Selecting appropriate information;		Advanced recording of	
		materials and techniques;			ideas through detailed	
		Experimentation;			annotations;	
		Drawing skills (from secondary sources);			Explaining techniques and processes;	
	Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
	AO2 focus	A02/A04 focus	A01 focus	A01 focus	A03 focus	AO4 focus - Final idea
	Assessment of creative use of	Assessment of use of materials and	Artist research pages:		Development of most	development and
	materials and techniques	development of personal final idea	Creative page design;	Thorough analysis of images;	successful techniques	experimentation
	Drawing skills		Thorough analysis of images;	Accurate pastiche studies;	Choosing successful	Connections to previous work
		LAST x1 week of term start Portraits -	Accurate pastiche studies; Application to own work	Application to own work	experiments Accurate recording of	and artists Creative and original response
		A03 focus			observations, ideas, and	Greative and original response
		Accurate recording from observation -			insights	
		Accurate recording norm observation -			Insignts	

	Contextual Knowledge Sustainability within the art worl	d	Contextual Knowledge	Contextual Knowledge	Contextual Know
	https://www.invaluable.com/blo https://www.artelier.com/post/ Applying sustainable practices t	og/sustainability-and-art/ sustainable-art			
BIG QUESTION	Does Great Art have to be made from traditional Art materials? What can art be made from? https://causeartist.com/incre dible-artivists-using-recycled- materials-in-their-creations/ Could also make reference to <i>Knife Angel,</i> Alfie Bradley.	Is it justified to use natural resources to make Art? Students could consider the use of paper, wood, concrete, toxic materials such as paints and inks, and the impact on the environment. https://www.art-is-fun.com/art-from- nature considers the viewpoint that art can be made with natural waste (Damien Hirst, Von Hagens, Goldsworthy rather than gathering natural resources).	Why are most artists men?		
11 GCSE	Content Portraits Final piece development Refine final idea based on final piece experiments and practice piece Final piece completion	Content Final coursework presentation and refinement Students should select and present the best work from all coursework projects.	Content Exam Prep Collect and present research on theme and related artists Produce studies related to artists and theme in appropriate media	Content Exam Prep & 10hr Exam Advanced development of personal final idea Planning and preparation for exam 10hr independent work	
	Skill development Refining ideas; Producing final outcome from original idea; Skillful use of materials	Skill development Selection and refinement according to AOs; Refining rather than building projects;	Skill development Developing a project/theme from an choice of starting points; Selecting and presenting sources; Experimenting with techniques and processes in a range of appropriate media;	Skill development Experimenting with techniques and processes; Developing a personal response;	
	Assessment AO4 focus Assessment of personal, informed and meaningful response with links to research, experiments and ideas from throughout the project	Assessment A01 -4 Holistic assessment of entire Unit 1 (c/w)	Assessment AO1,2 focus Assessment of appropriate artists, craftspeople, and sources Assessment of media, techniques and processes	Assessment AO1-4 Wholistic assessment of entire Unit 2 (exam preparation and 10hr independent work) including development of own ideas towards a personal outcome	
12 A Level	Content An introduction: What is Art? 1. Exploring students' existing knowledge of and taste in Art images Initial critiques and primary source studies for presentation knowledge	Content Practical Skills Workshops P.2 1. Abstract forms- Exploring manipulation of form. Students explore the creation of aesthetic / subjective / expressive effects with simple materials and experiment with colour and structure and other formal elements - line, pattern, texture, focus etc.	Content <u>Final workshop pieces and studio</u> <u>exhibition of work</u> 1. Self directed final ideas of 'Workshops' subject matter in preparation for structure of component 1 Personal investigation and component 2 Externally set task	Content Personal Investigation 1. Introduction to Personal Investigation: Portfolio The work produced during this period will be selected for assessment. Students to consider	Content <u>contPersonal</u> <u>investigation</u> 1. Creation of work for F for Person Investigat Produce: • Developm

ual Knowledge	Contextual Knowledge
orconal	Content
<u>ersonal</u> ation	contPersonal Investigation
Creation of body of	 Refine and develop ideas for final outcomes /
vork for Portfolio	resolution of ideas.
or Personal	 introduction for written
nvestigation.	Related study. The
Produce: Developmental	related study should consist of a guided
20200pmental	

 Practical Skills Workshops P.1 1. Introduction to FLESH and advanced formal Elements - composition, line, tone, form, contrast, perspective, pattern, scale, colour, lighting. 2. Exploration of media through drawing and printmaking techniques 	 Exploration of media and techniques through Painting and Sculpture . 	2. Creation of final piece and studio exhibition and critique of work	 issues such as: What types of subject matter or genres interest me? What kind of Artist am I? What types of materials and media am I interested in using? Where do I get good ideas for art projects from? What resources/support do I need to generate a successful Personal Investigation? 	 pieces Experimental work Sketchbook work On-going critical evaluation of own work Critical exploration of Art history and others work. 	minimum of 1000 words of extended written response.
 Skill development Artistic Record experiences and observations, in a variety of ways using drawing or other appropriate visual forms; undertake research and gather, select and organise visual and other appropriate information INQUISITIVE Wondering & questioning about the nature of Art 	 Skill development Artistic Develop and employ appropriate subject specific vocabulary. Using this vocabulary to articulate in speech and verbalising critical understanding. INQUISITIVE Exploring & investigating the history of Art. Challenging assumptions about Art images and the role of the artist. 	 Skill development Artistic Presentation of artwork imaginatively using appropriate forms - paper//sketchbooks / display etc COLLABORATIVE Giving & receiving feedback about each other's work and using this to develop more sophisticated responses. Sharing the 'product' with each other and with an authentic audience beyond the classroom. 	 Skill development Artistic Further strategic research, using a range of primary and secondary sources - books, galleries, cameras, Internet etc. - in order to develop critical understanding of Art PERSISTENT Sticking with difficulty by embracing risk, chance and failure as an important part of the process. Daring to be different in pursuing an authentic process of enquiry and in the creation of personal and meaningful works of art. 	 Skill development Artistic Conduct strategic research, using a range of primary and secondary sources - books, galleries, cameras, Internet etc in order to develop critical understanding of primary sources. Understanding and the use of pictorial space and real space, composition, rhythm, scale and structure in Fine Art 	 Skill development Artistic Mastery and application of scale appropriate to the chosen work and direction relevant to intentions Further development of appropriate subject specific vocabulary. Using this vocabulary to articulate in writing/verbalising critical and contextual understanding.
Assessment Review 1 Art skills, presentation of work, and reflecting critically on work and progress.	Assessment Review 2 Artskills, presentation of work, writing and reflecting critically on work and progress. Appropriate research and analysis of the work of others. Exploration and control of materials skills	Assessment Review 3 Art skills, presentation of work, writing and reflecting critically on work and progress. Appropriate research and analysis of the work of others. Exploration and control of materials skills	Assessment Review 4 Art skills, presentation of work, writing and reflecting critically on work and progress. Appropriate research and analysis of the work of others Exploration and control of materials skills	Assessment Review 5 Art skills, presentation of work, writing and reflecting critically on work and progress. Appropriate research and analysis of the work of others Exploration and control of materials skills	Assessment Art skills, presentation of work, writing and reflecting critically on work and progress.Exploration and control of materials skills Appropriate research and analysis of the work of others Exploration and control of materials skills.Including related study

	Baseline grade *All gradings given against assessment criteria Ao1, Ao2 & Ao3	Overall workshop grade *All gradings given against assessment criteria Ao1, Ao2 & Ao3	Progress grade *All gradings given against assessment criteria Ao1, Ao2 & Ao3	Overall PPE grade *All gradings given against assessment criteria Ao1, Ao2, Ao3 & Ao4	Component 1. grade *All gradings g assessment c Ao2 & Ao3
13	 Content <u>contPersonal investigation</u> Refine and develop ideas for final outcomes / resolution of ideas. Decide on final format for Related study. 	 Content Complete personal investigation - portfolio and related study. Develop and refine final pieces of work. Complete Related Study. Select work to be submitted for assessment. 	 Content External set task (from Feb 1st) release of paper. Developmental and preparatory work for individual chosen theme for externally set task. 	Content <u>External set task</u> • Complete external task - portfolio. Develop and refine final pieces of work. • Select work to be submitted for assessment.	
	Skill development Artistic • Undertaking critical analysis to ascertain and discuss appropriate historical, social and political contexts for written Related study	 Skill development Artistic Application of knowledge and understanding in making images and artefacts; review and modify work; plan and develop ideas in the light of own and others' evaluations 	 Skill development Artistic Use of knowledge and understanding of the work of others to develop and extend thinking and inform own work Generation and exploration of potential lines of enquiry using appropriate media and techniques 	Skill development Artistic • Organising, selecting and communicating ideas, solutions and responses, and presenting them in a range of visual, tactile and/or sensory forms.	
	Assessment Review 1 Art skills, presentation of work, writing and reflecting critically on work and progress. Appropriate research and analysis of the work of others. Exploration and control of materials Including related study	Assessment Review 2 _Internally marked and externally moderated using the marking criteria. This component is marked out of 120 marks and contributes 60% to the overall grade.Including Related study Deadline for marks 31st May Component 1. Final grade Including	Assessment Review 3 Art skills, presentation of work, writing and reflecting critically on work and progress. Appropriate research and analysis of the work of others. Exploration and control of materials	Assessment Review 4 Internally marked and externally moderated using the marking criteria. This component is marked out of 80 marks and contributes 40% to the overall grade. Deadline for marks 31st May	
	Component 1. progressiongrade*All gradings given againstassessment criteria Ao1, Ao2,Ao3 & Ao4	related study *All gradings given against assessment criteria Ao1, Ao2, Ao3 & Ao4	Component 2. progression grade *All gradings given against assessment criteria Ao1, Ao2 & Ao3	Component 2. Final grade *All gradings given against assessment criteria Ao1, Ao2, Ao3 & Ao4	

1. progression s given against	<u>Component 1 progression</u>
criteria Ão1,	grade *All gradings given against assessment criteria Ao1, Ao2 & Ao3