

SKILL MEDIA HIGHLIGHTS

WORLDSKILLS ABU DHABI 2017

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
Polymechanics and Automation	01	1230	C4: 1100 to 1200, when the competitors finish their modules and test the project	This is a multi-skill trade which combine manufacturing, assembling and automation skill. The modules also involve working on pneumatic and electronic skills	<p>The Deputy Expert Sherman, first participated at the competition in 2005. He has since worked in the industry and is now providing skill training to the candidates in his country.</p> <p>Similarly there are many other Experts who were past competitors at the WorldSkills</p>	Sherman
Information Network Cabling	02	1400	Speed testing is done C3 - 17 th October, 1330 – 1730.	<p>Module 4 is the most attractive element in this category, which include optical splicing speed challenge.</p> <p>In this module competitors connect as many optical fibres as possible in 30 minutes. These fibres are made of glass and thinner than hair, hence are very difficult to connect.</p>		Edmund Tan

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
Manufacturing Team Challenge	03	1300	Projects made by the competitors will be tested throughout the morning on C4 – 18 th October.	<p>The most interesting element of the skill is the team challenge, where a team of 3 people work together on a project which reflects the collaborative work environment in the industry.</p> <p>Apart from the individual competence, competitors are required to work together as one team in order to succeed at this challenge.</p>	Jean Baptiste Henry, a former competitor who won a silver medal at WorldSkills 2011, has taken up the role of an Expert for the French team participating in this skill. According to Henry he has been waiting for this opportunity since 2011.	Chou Wei Lan TW
Mechatronics	04	1630	<ul style="list-style-type: none"> • C1 – 15th October, 1200-1245 Completion of Module 1 30% of a production line consisting of a ready station • C2 – 16th October, 1600 – 1645 Completion of Module 3 60% of a production line consisting of the stations of C1 and a new (totally unknown) station • C3 – 17th October, 1545 – 1615 Completion of Module 4 Finish the production line consisting of stations from C2 and a new (totally unknown) station <p>The most attractive visual time is:</p> <ul style="list-style-type: none"> • C4 – 18th October, 1400 ongoing Evaluation of Module 6, which 	<ul style="list-style-type: none"> • Mechatronics is the modern profession in the age of digitalization, which connects IT and all the different technologies in the field of automation • The most interesting elements during the competition are the assembling of unknown production lines and the programming/optimizing of the same. • An HMI (Human Machine Interface) must be programmed, which show data from different elements of production line. • During the maintenance tasks, the competitors are required to demonstrate their competence in problem solving and replacing the broken components, in order to reduce the downtime that occurs in an industrial environment. 	<ul style="list-style-type: none"> • The competitors work in a team of 2, hence they require high social competences to fulfil their task. • Most of the competitors competing in this skill are able to communicate without words 	Christian Alessi

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
			include optimization of production line			
Mechanical Engineering CAD	05	1400	<ul style="list-style-type: none"> Module 1: C 1 – 15th October, 0900 to 1200. Solve a mechanical problem pertaining to 3D printing Module 4: C4 – 15th October, 0900 to 1100. The module involves converting real physical parts into a 3D model, using measuring tools and modelling 	<ul style="list-style-type: none"> Use of 3D Print Rendering Assembly animation Virtual reality 3D modelling Permanent 3D Print in all printers after 1200 	Several former competitors are contributing back as Expert for this respective country. The Chief Expert for the skill is also a former competitor.	Dário Pinto
CNC Turning	06	End C3 1645 C4 Team Challenge 1130	<p>C1 to C3 – morning and afternoon shifts 845 to 1645. At 0900 and 1245 a cowbell is used to kick start the competition.</p> <p>C4 – 18th October: Team Challenge is organized between 1030 to 1130.</p> <p>Schedule:</p> <p>C1 to C3</p> <p>0900 Cow bell kicks off the start of competition 0900 - 1000 Competitors do programming on their computers 1000 - 1300 Competitors work on the CNC-Machines</p>	<p>On C4 after three days of individual competition, all Competitors get a truly international team challenge to conclude their WorldSkills experience. The Competitors are divided into two groups and are tasked to work together to produce a product such as a robot. The team that finishes first wins!</p> <p>Although the team challenge doesn't contribute towards their official score at WorldSkills, the international friendships and comradery that are built will last a lifetime.</p> <p>On C4 from 1030-1100 expect to see busy Competitors quickly trying to complete the project and a medal ceremony at 1130.</p>	Simon, Expert from Switzerland, has lead this year's Team Challenge. He is also the brains behind the popular cowbell start, making the start of each day more exciting.	

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
			<p>1300 Morning shift ends and the projects are submitted</p> <p>1245 Cow bell kicks off the start of competition 1245 - 1345 Competitors do programming on their computers 1345 - 1645 Competitors work on the CNC-Machines 1645 Afternoon shift ends and the projects are submitted</p> <p>C4</p> <p>0830 team building activity on the shop floor 1000 machining and building of project 1100 final assembly as teams race to finish 1130 Exciting conclusion as teams will be rewarded with medals for the team activity</p>			
CNC Milling	07	1600	<ul style="list-style-type: none"> Best time is afternoon (after 1400). The morning module is more about MasterCam Programming, whereas in the afternoon you can see both the programming and machining at work. 	<ul style="list-style-type: none"> You will always find some type of branding brought into the design of the part produced. The most interesting element is the tight tolerances involved in each module. 20 microns is typically the 	<ul style="list-style-type: none"> Many of the past competitors have come back as Experts. All competitors which come to the competition achieve great success in industry and many have also become master 	Louis Dropka

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				tolerance which all competitors must keep throughout the competition.	trainers in their respective countries.	
Architectural Stonemasonry	08	1230	C3: 1400 to 1700 C4: 0900 to 1200	The competition involves moulding pieces of stone, cutting and carving them. A project the competitors will do this year will be to create a structure of the Grand Mosque with the branding of WorldSkills Abu Dhabi.	There is only one female competitor from Switzerland (Sonja Monn) competing in the skill	Marc pete
IT Software Solutions for Business	09	1130	We will do an impromptu performance at the beginning and closing of each session. Last time in Brazil we got a lot of interest from the TV Station for the same.			Claudio Violi
Welding	10	1630	C3 – 18 th October: 1400 - 15000	The competitor works on various tasks involving maximum precision and minimum wastage. All the jobs, undergo X-Ray test which measures the precision and accuracy of the joint. On C3, all the completed jobs undergo a pressure test to ensure that the weld is not leaking.	The competition has 6 Experts who are past competitors. The Chief Expert Paul Condran has been coming to the competition since 1985 and this would be his 10 th competition as an Expert.	Rafael
Print Media Technology	11	1400	C2: 0900 to 1830 C3: 0900 to 1830	The competition involves mixing of colours in accurate proportions to get the right colour and test the same on printing press. The final print is measured on very high tech machines	There are 5 female competitors and 6 male competitors participating in the skills, which	Patrick Klarecki

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				for any colour variation that may happen.	is also in line with global industry practices.	
Wall and Floor Tiling	12	1300	C2: 1400 to 1600 C3: 1400 to 1600	The competitors over the 3 days of competition will create a 3D model of three large towers and a design of the Grand Mosque with the flag of Abu Dhabi. The competition tests the competitors on various skills such as cutting, tiling, finishing etc.		Rudolf Weisz
Autobody Repair	13	1200	C1: 0900 to 1600 C2: 0900 to 1600 C3: 0900 to 1600 C4: 0900 to 1200	The skill involves diagnosis, repair and replacement of various component in the light automobile vehicle. The success during the competition is determined on the basis on finding and repairing the fault with accuracy and in least possible time.	Many of the Experts in the competition already work with the equipment sponsor Car-O-Liner	Terry Angell
Aircraft Maintenance	14	1400	C2: 1400 to 1600 C3: 1400 to 1700 C4: 1000 to 1200	Competition revolves around 7 modules: <ul style="list-style-type: none"> • Sheet Metal – competitors make an aircraft complicated fuselage repair. • Daily Inspection – competitors carry out a pre-flight inspection on a modern high-tech AW 139 helicopter. • Electrical loom – competitors make an electrical harness for an aircraft. • PFCU – competitors will be removing and installing electric/hydraulic 	Abdullah Al-Shehhi, from UAE, was a competitor at Leipzig 2013. He went on to become a WorldSkills Expert for Aircraft Maintenance in Sao Paulo 2015 and Abu Dhabi 2017. There are two female competitors, Euphrasia Mulenga from Zambia and Caroline	Martin Yates

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				<p>components inside an aircraft simulated structure.</p> <ul style="list-style-type: none"> • Composite Repair – competitors will make a simple composite repair to simulate the aviation repair standard to new style aircraft fuselage structures. • Flight Control rigging – competitors will be assembling, tensioning and safely tying an aileron flight control cable system to an aviation standard. • PT6 Gas Turbine Boroscope Inspection – competitors will be using an internal camera to visually inspect the inside of a Gas Turbine engine power wheel. <p>All the above modules represent the best in the aviation industry across the globe</p>	<p>Söderqvist from Sweden, participating at the competition.</p>	
Plumbing and Heating	15	1400	C3 – 0900 to 1730 C4 – 0900 to 1400	<p>A plumbing and heating technician works commercial, residential, agricultural and industrial projects. They plan and design, select and install, commission, test, report, maintain, fault find and repair systems to a high standard. The skill competition at WorldSkills involves designing a solar heating system with a crossover to boiler, radiator, basin and shower.</p> <p>The competition showcases all that goes into an efficient plumbing system,</p>	<p>Albertina Shitalangaho from Namibia is the only female competitor participating in the competition.</p> <p>There are 2 experts, from Australia and Korea, who are past competitors.</p>	Patrick O' Fiordan

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				which is otherwise hidden behind our walls.		
Electronics	16	1600	<p>C2 – 1000 to 1200: Involves software programming and working on large circuits.</p> <p>C3 – 1200 to 1300: Will be a building a robot</p> <p>C4 – 1000 to 1200: Will repairing circuit board using high tech devices</p>	<p>The skill involves working on various aspects which include software design, mechanical work, circuit repair among other. This year one of the modules also includes building a robot, which is likely to complete between 1200 to 1300 on C3.</p>	<p>Judd Foster, who comes from a very small town in Canada, is a high school drop-out who is entirely self-taught. Thanks to his motivation and commitment to his skills, he managed to win the National competition in Canada and is now representing his country at the WorldSkills.</p> <p>Gabrial D Espindula was a gold medal winner at WorldSkills competition in London 2011. He was the workshop manager at WorldSkills 2015 and has designed the test project for WorldSkill 2017.</p>	Yaseen Abuk Heil
Web Design and Development	17	1400	C4: 1300 – 1345 team challenge finishes. You could get pictures of competitors working together.	<p>During the first three days the competitors will be designing a website for the Grand Mosque, which involve creativity, designing, programming and mathematical skills.</p> <p>On the last day, the competitors will participate in a non-competitive team challenge. The key objectives of this is to promote team work, collaboration,</p>	There are 5 female competitors participating at the competition, including Maleeha Muzafar from the Kingdom of Bahrain.	Sergo Karakozov

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				critical thinking and problem solving skills among the competitors.		
Electrical Installations	18	1300	C3 – 1000 to 1630 C4 – 0900 to 1300 The competitors would be finishing installation around this time.	Electrical installation is closely associated with other parts of the construction industry, and with many products that support it, normally for commercial purposes. The test project at this year's competition involves both conventional techniques and elements of Smart Houses. The project would also involve design and creation of a motorized door.		Harald haugen
Industrial Control	19	1245	C1 - 0900 to 1145 C2 - 0900 to 1045 C3 - 0845 to 1045 C4 - 0845 to 1245	Industrial control requires the Competitor to have the range of skills that allows them to have the speed of hand for the installation part of the project and the speed of mind for the programming of the project.		Cole Jackson
Bricklaying	20	1400	C3: 0930 to 1700 C4: 09300 to 1530	The competitors will work on three different projects which apart from their technical skills, also test their accuracy, appearance and time management skills. The projects include the following elements: 1. Creation of a fire place 2. Module of a house	While the competition has all male Competitors, it has two female experts. One from Hungry and one from Kazakhstan. There is also an expert from Iran who is a past competitor.	William Lacey

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				3. Create a falcon on the wall using bricks		
Plastering and Drywall Systems	21	1300	C2- The model will be completed during the afternoon so it is a good time to visit (visually). C3 and C4- Anytime during these days there will be interesting things happening that has good visual impact. The freestyle module on C4 is especially interesting.	The freestyle module always attracts attention with each country producing work that is unique. The great thing about this skill is that you can see the building process from a pile of plasterboards, right through to a completely built and finished model.		Peter Moore
Painting and Decorating	22	1130	C3 – 1000 to 1200 & 1400 to 1700 C4 – 1000 to 1300	The person with painting and decorating skills is responsible for internal and external appearance of the building. During the four days of the competition the competitors will be working on various skills including decorating arc shaped gates, wall painting and decorating among others.	Ali Kashwani is the only competitor from Middle East participating in this competition.	
Mobile Robotics	23	1600	C1 0930-1130 Watch competitors build their robots using individual components. Teams will then test their robots on the court. C2, C3 11:20-13:30, 13:30-16:40	The test project is situated in the context of Assistive Robotics and Robot-Human-Interaction. These are major topics in today's robotic applications. Robotics is a major field of research, employment and start-ups nowadays, not only for technical topics but also in Robot-Human-Interaction and integrating robots into society. The	The Expert from the UAE Mohammed Al-Shamsi is a former Competitor. https://worldskillsabudhabi2017.com/en/news/meet-mohammad-al-shamsi/	

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
			<p>You will see robots performing different tasks on the road. Non-performing teams are working at their workbenches refining their robots and/or programming.</p> <p>C4 11:20-13:30, 13:30-16:00</p>	<p>projects would showcase the future of robotics, which include much more than their current application in the manufacturing and industrial set-up.</p>	<p>The Expert from Japan, Yuta Imai is a Gold Medallist at the WorldSkills competition.</p>	
Cabinetmaking	24		<p>The test project comes together in several parts – base, frame, drawer box and cabinet</p>	<p>By C4 the test project will be fully assembled.</p>	<p>Some Experts are past Competitors</p>	<p>Leo Moser</p>
Joinery	25	1230	<p>C2: 1300 to 1400 C3: 1000 to 1230</p>	<p>Joinery revolves around creating 2D and 3D models using carpentry tool and mechanical equipment.</p>	<p>Justina Ashiyana from Namibia is the only female competitor participating in the competition</p>	<p>Henrick</p>
Carpentry	26	1500	<p>By C2 at 1200 the competitors would have completed Module 1, which is quite a visual, especially since it is a tall gazebo framework.</p> <p>On C3 from 1300 to 1700 the competitors will assemble the roof to the project – good photo opportunities because they will be working on step ladders</p>	<p>Carpentry is one of the oldest skills so whilst we use the most modern machines and equipment, the original elements of jointing and shaping wood is still present.</p> <p>Competitors must also be competent in mathematics; as they have to use trigonometry to calculate lengths of inclined parts.</p>	<p>Most of our competitors are already self-employed, and many of the past Competitors have set up very successful construction companies.</p> <p>Many Competitors have become lecturers/trainers and are passing on their experience and knowledge to others. Some of Experts at the WorldSkills Competition are past Competitors.</p> <p>These core skills are universal and are at the heart of every young carpenter's training.</p>	<p>Pat Phillips</p>

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
					<p>Starting at the basic level then progressing to intermediate level. Exceptional trainees then have the opportunity to reach a level of excellence.</p> <p>For example; the measurement skills gained as a carpenter could be used to set out large complex building structures.</p>	
Jewellery	27	1400	<p>The skill consists of four separate modules, though in most test projects (selected on C-4) the final module is the assembly of components from the 3 previous modules. The most exciting moment is, therefore, the conclusion of module 4 at 14h00 on C4.</p> <p>Other exciting moments are the conclusions of modules 1,2 & 3 on C1,2 & 3 (usually around 15h00).</p>	<p>Traditionally, the gold souks of the former <i>Trucial states</i> have been the gateway of the riches of Asia. In the days before banks & money transfers, these bought & sold portable wealth, required for barter.</p> <p>Today, Dubai 's <i>City of Gold</i> is the world's largest concentration of goldsmith's retail outlets and hundreds of designers. Entrepreneurs from all over the world are moving to the UAE to take advantage of the excellent start-up environment to trade Goldsmith's product and supporting technology.</p>	<p>The Skill Competition Manager, Deputy Chief Expert and the Expert for Taiwan were all first time Experts in 1999, when WorldSkills was still known as International Vocational Training Organization, test projects were not modular, Experts could not speak to the competitors and results were processed by hand using pocket calculators. This will be their 10th WorldSkills Competition together.</p> <p>The new Expert for UAE was a Competitor in 2013 for Australia.</p> <p>The Workshop Manager & Workshop Manager Assistant</p>	Anthony Constantino

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
					<p>(WMA) are sisters and the WMA was a Competitor in 2015.</p> <p>The new Expert for Portugal, was 2nd runner-up and champion in 1995 and 1997 respectively, but never had the opportunity to participate in WorldSkills. Finally, 20 years later, he will be part of a WorldSkills Competition.</p>	
Floristry	28	1400	<p>C1 1500 - 1700 During this period the competitors will make test project which is designed for a certain building in Abu Dhabi.</p> <p>C2 1500 - 1700 A piece together with Hairdressers</p> <p>C3 0900 - 1200 Bridal design</p> <p>C4 0900 - 1100 and 1200- 1400 The last items are designed</p>		<p>Johanna the Gold Medallist from Finland and now Workshop Manager Assistant is partially designing the test projects</p>	
Hairdressing	29	1345	<p>C2 - 1620-1735 Test B Ladies Themed Catwalk Design</p> <p>C3 - 0900-1030 Test E Ladies Bridal Hairdo</p> <p>C4 at 1300-1345 Test G Men's traditional taper cut with live model</p>		<p>Hairdressing Expert; Ulla-Britt Hedin participated at the first WorldSkills Competition in 2007 and has been at every Competition since then.</p> <p>Hairdressing Competitor; Taiju Koivula from Finland has</p>	Pokkinen Katri

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
					represented Finland many times in European and World Championships as a ballroom dancer and is now representing the nation in Hairdressing.	
Beauty Therapy	30	1415	<p>Every morning and afternoon the Competitors complete a module, and will rotate through following 5 different modules:</p> <ul style="list-style-type: none"> • Advanced Facial+ Pedicure • Spa Day + Manicure • Hair removal • Eye treatments • Fantasy Make up & Nail art - the most spectacular with a parade of models at the end as a very visual finale. 	<p>The test project is externally written for the first time and unseen by the Competitors and Experts till the competition. The test project has been prepared to reflect industry practices and a working day in a spa/salon.</p> <p>The Competitors will come in and see the appointment list and timings, then meet the clients. They have to adapt treatments to meet the individual needs and requirements, with the correct use of products for individual skin types.</p>	<p>We will have male competitors participating in the skill after a long time. We also have a male Expert from the Hungry for the first time, who is also a past competitor.</p> <p>In all there are 6 Experts who are all past Competitors.</p> <p>Jenna Bailey from UK was one of the first Competitors for Beauty Therapy at WorldSkills at Montreal in 1999.</p> <p>Many of these past Competitors have been involved with WorldSkills since they competed either as a trainer or mentor and have now become Experts.</p> <p>The Workshop Manager Jade Kidd is a past competitor who has been involved in both training and mentoring in her own country. She was also</p>	Sue Simpson

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
					Assistant Workshop Manager in London.	
Fashion Technology	31	1600	Module 1: Draping Module 2: Sketching Module 3+4: Pattern making and stitching dress Module 5: Embellishment	Module 3+4 = Dress stitching is the key module	Hessa, a competitor from UAE, presented her debut Fashion Collection in May 2017	Sabine Wegner Storch,
Patisserie and Confectionery	32	18:00	Patisserie is visually enchanting most of the time. All the presentations will be completed around 1745 every day (some will be earlier but the later presentations are normally the most dramatic, especially on days 2 and 4).	The test project is quite different from earlier competitions and features many surprise elements.	<p>The Expert for Canada was a competitor in 2001 (Seoul) and returned in 2015 and 2017 as an Expert.</p> <p>The Workshop Manager competed in Japan in 2007 and has since etched out a career as a successful author, development chef, and is often on TV and Radio. He is very happy to celebrate his 10 years of coming back to the WorldSkills family.</p> <p>The Assistant Workshop Manager competed at 2013 in Leipzig.</p>	Yolande Stanley
Automobile Technology	33	1700	C2 – 1000 to 1100	The skill involves 8 different modules with 2 modules each on the following:	Louis Machado, gold medallist in the skill at WorldSkills 2015 in	Grant Petch

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
			C3 – 1000 to 1100 C4 – 1000 to 1100	<ul style="list-style-type: none"> • Engine diagnosis & drivability • Electrical diagnosis • Suspension and break repair • Engine overhaul 	Sao Paolo, is currently the Expert for the competitor from UAE	
Cooking	34	Group 1 1200 Group 2 1800	Cooking from 0900 to 1130 Presentation from 1130 to 1230 Cooking from 1500 to 1730 Presentation from 1730 to 1830	Each day the Competitors work in two shifts. At the end of their shift they present their creation.	The prepared dishes are served to the guests by the Competitors from Restaurant Service. This is the first time the food prepared in Cooking are used in Restaurant Service.	Daniel Inauen
Restaurant Service	35	1900	Cocktail Bar – 1100 and 1700 Making non-alcoholic cocktails live for 4 guests. Fine Dining – 1230 and 1830 preparing a dessert live at the table. There will be a lot of activities and glamour with this module, which begins live service each day at 1110 and 1710 Banqueting – 1030 and 1630 demonstration of Flambé work which is quite visual Arrival of guests for Champagne reception at 1045 and 1645 with lots of live activities	<p>The biggest change and indeed challenge this year will see restaurant service and culinary arts competitors competing alongside each other for the first time at WorldSkills.</p> <p>Almost all of the food served in the restaurants will be the food produced by competitors in culinary and will showcase how cooking and service works together.</p> <p>The Competition brings together the world's best young chefs and restaurant service people working side by side.</p>	<p>The Workshop Manager Noemi is a former Gold medal winner.</p> <p>Champion Fiona Cullen, who competed in 2013 (4th placed Medallion for Excellence) returns as a volunteer. She was involved in the WS youth conference in Niagara Falls and now works in Switzerland.</p> <p>James Sun from Australia, a former Competitor and a medal winner, is a returning to WorldSkills as an Expert.</p> <p>Competitor from Brazil demonstrates how skills can</p>	Ray Cullen

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
			Casual Dining – 1015 and 1615 Carving of Smoked Salmon live in front of the public.		transform an individual's life and support one's family.	
Car Painting	36	1630	C3: 0900 to 1300 and 1400 to 1800 C4: 0900 to 1300	The competition involves following 6 modules: <ul style="list-style-type: none"> • Colour Blending • Colour Matching • 3 stage of finishing • Decoration (Abu Dhabi branding) • Plastic repair All the above modules will be performed on a car door	6 Experts in the skill are previous competitors. There are 7 girls participating in the competition. These are from New Zealand, Russia, Chinese Taipei, Canada, Norway, Australia and Spain	Bjørn-Erik
Landscape Gardening	37	1330	C3: 1400 to 1600 C4: 0900 to 1300	The competition involves the soft skills such as gardening and hard skills such as boundary creation. The competition has a team of two which work on different projects over 4 days of competition.	The competition has 5 female competitors in all, with an all-girls team from Russia.	
Refrigeration and Air Conditioning	38	1300	The event starts and ends each day with the blowing of hunting horn. C1: 1100 to 1200: Involves bending and brazing of mechanical instruments C3: 1500 to 1700	This is a multi-dimensional skill which include copper piping, electrical fitting, bending, electrical engineering, thermodynamics among others. The circuit used for refrigeration could be also used to heat water. The test module this year focuses on sustainability which aims to conserve	Roudha Bin Bahr, from UAE, is the only female competitor participating in this otherwise a male dominated skill.	Abdelhadi Sououdi

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				energy and use the same circuit for a dual purpose of cooling and heating.		
IT Network Systems Administration	39	1500	C4: 1000 to 1200 and 1330 to 1530	<p>The competition involves a secret challenge on trouble shooting, where each candidate will have to trouble shoot as many problems as he could in two hours.</p> <p>There is also a C-School challenge where the competitors would be working on software simulation involving multiple screens.</p>	<p>The skill has competitors from UAE, Saudi Arabia and Iran.</p> <p>Nearly 10 experts in the skill are past competitors</p>	Jose Medeiros
Graphic Design Technology	40	1330		The briefs are all live projects to assist organizations.	We have a couple of past competitors coming back as new Experts this time around. There are at least 2 of them.	Sarah Jones
Health and Social Care	41	1700	C3: 0930 to 1230 C4: 0930 to 1100 & 1400 to 1600	<p>During the competition the competitors will be working in 4 environments which are as follows:</p> <ul style="list-style-type: none"> • Hospital • Residential Care • Care at Home • Day Care Center 	The skill has 3 male competitors and 9 female competitors. The skill also has female competitors participating from UAE and Kingdom from Bahrain	
Construction Metal Work	42	1230	C4: 0930 to 1230	The competition involves variety of skills ranging from cutting, forming, welding, assembly among others, which make	Five Experts at the skill this year are past competitors.	Andy Whitehouse

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				the competition both challenging and exciting at the same time.		
Plastic Die Engineering	43	1600	<ul style="list-style-type: none"> • C1 CNC Milling c1: 1030 – 1200; 14 00 - 1530 is optimal • Test Moulding c2 1300 - 14 30 is optimal 	<p>Plastic raw materials are made from crude oil.</p> <p>United Arab Emirates is the largest exporter of crude oil, which is used to create plastic products consumed by people all over the world.</p> <p>This "Plastic Die Engineering" is the technology and skill required to make this plastic part / product with high precision, good appearance, at low cost and in large quantity.</p>		<p>Chief Expert, Mallinathan Puthukkudi</p> <p>Deputy Chief Expert, Prof Dinor Martins Junior</p> <p>ESR, Masaaki TAKEI</p>
Visual Merchandising	44	1300	<p>C2: 1330 to 1500 Window assembly ends.</p> <p>C4: 0900 to 1300 End of the assembly for the second shop window.</p>	<p>The test project will have a surprise sponsor and Competitors will do a window around the brand. It is the first time the competition is organized in this way, connecting directly with the market.</p>		<p>Chief Expert: Erika Scharff</p> <p>Workshop Manager; Tamara Al Kubaisy</p>
Prototype Modelling	45	1400	<p>C4: 1600 to 1700 (team project on Sustainability)</p>	<p>Competitors use digital technology, CNC milling & 3D printing technologies at this competition. The competition requires Competitors to apply their creativity, as well as time management skills.</p>		<p>CE & DCE</p>

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
Concrete Construction Work	46	1200	C1: afternoon - building the wall C2: morning and afternoon C3: 0930 to 1130 pouring concrete, building the ceiling and the beam C4: 0930 to 1130 – removal of one side of the formwork	Part of the test project is to build an Arabic door.		Werner Luther DE
Bakery	47	1730	C1 - 4.5 hours Module A: Preparation Module B: Braiding Techniques Module C: Savoury Products Morning group 0845 - 1315 Afternoon group 1400 - 1830 C2 - 4.5 hours Module D: Breads Module E: Mystery Bread Rolls Morning group 0845 - 1315 Afternoon group 1400 - 1830 C3 - 4 hours Module H: Laminated Dough Module G: Decorative Work Morning group 0845-1245 Afternoon group 1330 - 1730 C4 – 3 hours Module F: Sweet Brioche Products Module I: Sandwich Morning group 0845 - 1145 Afternoon group 1230 - 1530	The most interesting element (visually) is the showpiece (decorative work) on C3 A new element in the test project is as follows: <ul style="list-style-type: none"> The competitors will receive a customer order for a bread loaf for a special occasion on C1. The competitor must give an established recipe and outline for the product on C1 The products have to be finished for the customer on C2 		Lars Jacobsen lja@ucholstebro.dk 0045 9912 2256

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
Industrial Mechanic Millwright	48	1400	During the entire day on C4 (18 th Oct) from 10 am to 2 pm, final assembly of the Pedal Powered Water Pump Purification System will be done.	Considered as the “Doctors of Industry”, Industrial Mechanic Millwrights are usually the first people who are called whenever there is a problem at a manufacturing/production facility.	As “Doctors of Industry” we are trying to help communities in developing countries fulfil the most basic of all human needs and have clean drinking water	Craig
Heavy Vehicle Maintenance	49	1200	C2: 1430 to 1600 C3: 1430 to 1600 C4: 0900 to 1200	The competition involves working on large heavy equipment, using variety of skills i.e. hydraulics, emission, computing, fuel emission among others.	This is the first official competition in this category at WorldSkills.	Thomas Murphy
3D Digital Game Art	D1	1500	C1 - should be interesting in the morning as the competitors are drawing concept art. C2- afternoon, the 3D models should start to look impressive C3 - near the end of the day will be better to show the texture work they would have made during the day. C4 - will have animation and import to engine, visually exciting for most of the morning.	The test project is designed by international games giant Ubisoft, and localised by the UAE branch of Ubisoft in Abu Dhabi. The test project is blind and could use any of Ubisoft’s brands including CBS’s CSI series, Assassin’s Creed, and FarCry. The interesting thing about this skill is the new format. 3D Digital Game Art is a new skill which has been developed in UK and expanded all across the globe. The competition has a robust marking system which tests the most rigorous and challenging skillsets in the gaming industry. The competitors will be put through the toughest challenges, which	There are 10 countries competing in this skill at WorldSkills 2017 The UK competitor Dan McCabe has gone through an incredible life ordeal to get to where he is now. He won gold at the UKSkills 2015, Gold in EuroSkills 2016, and he’s hungry to win again at WSAD2017. He broke the mould by landing a junior artist job at legendary studio Codemasters working on the F1 Game, building assets for the Abu Dhabi race track before he finished his first year at university.	Mike Spence and Felix YE

SKILL	SKILL NUMBER	C4 END TIME	KEY TIMES TO VISIT	SKILL HIGHLIGHTS	UNIQUE STORIES	SKILL CONTACT
				<p>are designed to find the prodigies of the industry.</p> <p>The games industry is made up of multifarious jobs from Design, Programming and Art. The competition focuses on Art and the creation of visual assets that you see in a game. The skill is not about designing a game, much the same way that a plasterer is not building a house.</p>	<p>Russia's Expert, Anastasia Ardashova is a competitor turned coach. Having been a test subject for the trial competition in Seoul, and then competing against Dan in EuroSkills, she's turning her experiences into training and coaching her competitor (Anastasia Kim).</p> <p>JeunYueng Kim, the deputy chief Expert has great experience working in the games industry as a character animator. Her competitors are trained to be extremely competent animators.</p>	