

<b>Unit Title:</b>	<b>Operating swimming pool plant</b>
OCR unit number	17
Sector unit number	LM3 -17
Level:	3
Credit value:	4
Guided learning hours:	25
Unit reference number:	F/503/0988

## Unit purpose and aim

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This unit covers the knowledge, understanding and skills that a learner needs in relation to operating swimming pool plant in an active leisure organisation.

Learning Outcomes	Assessment Criteria
<p><b>The Learner will:</b></p> <p>1 Understand the systems used to maintain the quality of swimming pool water</p>	<p><b>The Learner can:</b></p> <p>1.1 Describe the systems used in swimming pools for:</p> <ul style="list-style-type: none"> <li>• circulation</li> <li>• filtration</li> <li>• disinfection</li> <li>• heating</li> <li>• coagulation</li> <li>• pressure</li> <li>• measuring</li> <li>• control</li> <li>• chemical balance</li> </ul>
<p>2 Understand how to monitor and maintain swimming pool plant</p>	<p>2.1 Explain the tests and checks that need to be carried out on swimming pool plant</p> <p>2.2 Demonstrate how to record the results of the checks and tests carried out on swimming pool plant</p> <p>2.3 Describe the significance of pool pressure readings in the filtration process</p> <p>2.4 Describe a range of possible faults with swimming pool plant that may cause variations from recommended conditions, and how to respond to these</p> <p>2.5 Describe routine (daily/weekly) maintenance procedures to swimming pool plant</p>
<p>3 Understand how to maintain the quality of swimming pool water</p>	<p>3.1 Explain the importance of maintaining the quality and temperature of swimming pool water</p>

Learning Outcomes	Assessment Criteria
	3.2 Describe the checks and tests that need to be carried out to maintain the quality of swimming pool water and how to carry these out correctly 3.3 Describe how to record the results of tests and checks on swimming pool water 3.4 Explain how to respond to results that are outside of recommended ranges
4 Understand how to work safely with the chemicals used in swimming pool plant operations	4.1 Explain the purpose of a range of chemicals used in the treatment of swimming pool water 4.2 Describe the hazards involved in working with swimming pool chemicals, and their related risks 4.3 Describe the legal requirements and best practice guidelines that cover the types of chemicals used in the operation of swimming pool plant 4.4 Explain how to store, handle and use swimming pool chemicals safely, including the use of personal protective equipment
5 Be able to carry out routine (daily/weekly) maintenance procedures to swimming pool plant	5.1 Carry out a backwash of pool filtration systems in line with manufacturer's instructions and local written procedures 5.2 Clean pump strainer baskets in line with manufacturer's instructions and local written procedures 5.3 Complete all records relating to the achievement daily/weekly maintenance procedures

## Assessment

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All learning outcomes in this unit must be assessed using methods appropriate to the assessment of the knowledge and understanding.

Candidates must provide all of the evidence identified below. All evidence must be produced independently.

Learning outcomes 1 - 4 can be assessed by one or a mixture of:

- Written questions and answers
- Projects
- Assignments.

Learning outcome 5 should be assessed by observation of the learner demonstrating the maintenance procedures with real swimming pool plant.

## Evidence requirements

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There must be valid, authentic and sufficient evidence for all the assessment criteria. However, one piece of evidence may be used to meet the requirements of more than one learning outcome or assessment criterion.

## Guidance on assessment and evidence requirements

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This section provides guidance for tutors on the types of assessment activities that can be used and evidence to be produced that will ensure coverage of the learning outcomes and related assessment criteria.

Evidence can be generated in a variety of ways – through completion of OCR-devised workbooks, through centre-devised assignments, projects or tasks or through naturally occurring work-based activities. Any centre-devised assignments, projects or tasks must be cross-referenced to the appropriate learning outcomes and assessment criteria to ensure that full coverage can be achieved.

Portfolios of evidence must be produced independently and centres must confirm to OCR that the evidence is the original work of the candidate. Recording documents are provided on the website for this purpose.

## National Occupational Standards (NOS) mapping/signposting

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NOS can viewed at [www.ukstandards.co.uk](http://www.ukstandards.co.uk).

Occupational standards	Unit number	Title
Leisure Management NOS 2010 (SkillsActive)	C25	Operate plant to maintain the quality of pool water.

## Functional skills signposting

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This section indicates where candidates may have an opportunity to develop their functional skills.

Functional Skills Standards					
English		Mathematics		ICT	
Speaking and Listening		Representing		Use ICT systems	✓
Reading	✓	Analysing	✓	Find and select information	✓
Writing	✓	Interpreting	✓	Develop, present and communicate information	✓

## Additional information

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For further information regarding administration for this qualification, please refer to the OCR document '*Admin Guide: Vocational Qualifications*' (A850) on the OCR website [www.ocr.org.uk](http://www.ocr.org.uk) .