**Module description**

S112 provides a solid toolbox of knowledge, understanding, and skills for Science. S112 covers fascinating concepts within key scientific disciplines (i.e. Astronomy and physics; biology; chemistry; Earth and environmental sciences). S112 students will undertake practical experiments, do collaborative work with other students, and will learn how to communicate scientific information. S112 is delivered online-onscreen and is taught using a mix of interactive media, audio-visual, collaborative, and independent activities. S112 is designed to be taken as the second 60 point level 1 module in a qualification, as it builds on existing study skills, maths skills, practical skills, and investigative skills.

**Person specification**

The person specification for this module should be read in conjunction with the [generic person specification](#) for an associate lecturer at The Open University. The level of experience required for all criteria is ideally at NQF Level 4/SQF level 7/university level 1.

As well as meeting all the requirements set out in the generic person specification, you should have:

- a relevant degree in a science or relevant discipline;
- demonstrable knowledge of at least two of the disciplines involved in the study of science (biology, chemistry, physics and astronomy, Earth and environmental sciences);
- proven ability to facilitate students’ use of maths in science;
- evidence of recent science teaching;
- proven ability to facilitate the development of practical science skills in students;
- proven ability to facilitate student collaboration in peer groups and teams;
- proven ability to facilitate the development and application of communications skills in students (e.g. presentations and posters).
- proven ability to successfully support effective student learning using synchronous conferencing communication tools (e.g. Blackboard collaborate, Skype), and asynchronous communication tools such as email and forums.

It would be an advantage to have:

- experience of working with peers to deliver tuition;
- there may be up to two day schools requiring face-to-face tuition;
- relevant postgraduate experience in science or science education, ideally involving a multidisciplinary approach;
- experience of teaching practical science through various media, ideally involving field-based, laboratory-based, and virtual methods.

**Additional information**

- the majority of students taking S112 will have taken a previous level 1 module, and therefore S112 will build on skills and knowledge that they have previously acquired.
- tutors may be appointed with regard to their subject expertise to a tutoring team to ensure that students within a cluster have access to a wide range of science subject expertise.
- tutors will also be required to provide tuition and support across all subject and skills areas.
- online tutorials will take place using Blackboard Collaborate or similar synchronous conferencing software.
• there may be up to two day schools requiring face-to-face tuition.
• as part of student support and progression you will be required to contact your students by telephone at designated points during the presentation.

*Module related details - a full explanation can be found on the website*

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<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>Credits awarded to the student for the successful completion of a module:</td>
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<td>Number of assignments submitted by the student:</td>
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<td>Method of submission for assignments:</td>
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<td>Number of students likely to be in a standard group:</td>
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<td>Estimated number of hours per teaching week:</td>
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