

SCHOOLWIDE REVISION RESOURCES PHYSICS

[Login here](#)

Dear Colleague,

We subscribe to an immensely useful learning and revision resource called SAM Learning. All Teachers and Learners automatically receive a user account to access this comprehensive library of exam board-aligned PHYSICS resources. The service covers 17 subjects and is being used by other departments as part of their revision plans.

Teachers can assign to their class, or individual learners automatically marked activities on topics of their choice. The work appears in the learner's dashboard to be completed by the date set by the teacher.

Each activity provides comprehensive coverage of the selected topic and teachers can see progress reports and knowledge gaps in minutes.

EEF-commissioned the Fischer Family Trust to analyse 300,000 students in 250 schools over 9 years and the report, published in June 2020, showed on average, students who spent 10 or more hours on SAM Learning improved 1 GCSE grade better in 2 different subjects. This is roughly equivalent to a +0.20 P8 improvement.

Have a look – don't worry as it's already paid for! If you have any questions or issues please or feel free to [email SAM Learning](#) for an overview of the PHYSICS materials and so they can answer any questions that you or your colleagues may have about the service.

Details of what's included and how to access SAM Learning are on the following pages...

Enjoy!



"I know it improves grades with regular use. I have used SAM Learning for nearly 15 years."

Naomi May. Bullers Wood School for Boys, England.

KEY STAGE 3, GCSE AND iGSE PHYSICS ACTIVITIES

[Login here](#)

Personalise work for your learners - and save time for your teachers
AVAILABLE TO ALL TEACHERS AND LEARNERS

About SAM Learning

We Have Schoolwide Access
All teachers and learners have access to SAM Learning.

The service provides students with access to online interactive activities across all subjects.

The content reflects National Curriculum specifications and is aligned to exam boards.

10,000+ Resources and Activities, Learners can:

- Complete set task activities assigned by teachers
- Independently build knowledge and reinforce prior learning using activities of their choosing
- Be automatically assigned cross-curricular work as an individual, group or class using SAM Learning's adaptive A.I. technology

Automatic Marking and Reporting

SAM Learning's question level analysis identifies knowledge gaps in topics, diagnoses gaps in prior learning before starting a topic, and helps focus teaching and revision to exactly where it is needed.

And, all work is automatically marked for teachers and presented with detailed feedback in our reporting suite.

Improving Outcomes

A 9-year series of impact studies, commissioned by the EEF and completed by the Family Fischer Trust (FFT), found the **impact on student outcomes** (especially at GCSE level) when 10 task hours were completed over an academic year, was equivalent to 1 grade higher for at least 2 GCSE subjects. This is roughly equivalent to a +0.20 P8 improvement.

Market Leadership

We've chosen SAM Learning as a partner because they are highly experienced in the revision space. Reviews rank SAM Learning at the top of 20 subject and learning categories, INCLUDING PHYSICS, with USER RATINGS of **GREAT or EXCELLENT by over 93%** in the past 6 months on EdTech Impact, in the UK.

Cross-Curricular Samples

[Click to view](#)

PHYSICS Sample Activities

- *Energy Transfer*
- *Specific Heat Capacity +*
- *Interpreting Graphs of Motion*
- *Work and Energy*
- *Electrical Circuits*
- *Electricity Basics*

PHYSICS Resource Bank

[View Activities](#)

"I know it improves grades with regular use. I have used SAM Learning for nearly 15 years."

Naomi May. Bullers Wood School for Boys, England.

KS3, GCSE and iGCSE Exam Board PHYSICS Coverage

ALL Physics

Diagnostics	3
Energy and Electricity	114
Exam Preparation	66
Forces	122
Magnetism and Electromagnetism	21
Radioactivity	62
Space Physics	32
The Particle Model	34
Waves	114
Grand Total	568

AQA

Atomic Structure	40
Electricity	59
Energy	52
Exam Essentials	15
Focus and Intensive	28
Forces	81
Magnetism and Electromagnetism	22
Particle Model of Matter	18
Space Physics	26
Waves	69
Grand Total	410

Edexcel

Astronomy	17
Conservation of Energy	19
Electricity and Circuits	21
Electromagnetic Induction	7
Energy – Forces Doing Work	23
Forces and Matter	5
Forces and their Effects	17
Light and the Electromagnetic Spectrum	33
Magnetism and the Motor Effect	8
Motion and Forces	19
Particle Model	6
Radioactivity	22
Static Electricity	4
Waves	8
Grand Total	209

OCR Gateway

Electricity	15
Energy	16
Forces	28
Global Challenges	47
Magnetism and Magnetic Fields	9
Matter	18
Radioactivity	19
Waves in Matter	26
Grand Total	178

WJEC

Electricity, Energy and Waves	85
Forces, Space and Radioactivity	54
Grand Total	139

Key Stage 3 Science

Biology	48
Chemistry	66
Physics	78
Diagnostics	12
Grand Total	204

OCR 21st Century

Electric Circuits	21
Explaining Motion	30
Ideas About Science	16
Matter – Models and Explanations	22
Radiation and Waves	45
Radioactive Materials	12
Sustainable Energy	33
Grand Total	179

Eduqas

Atomic Structure	25
Eduqas	2
Electricity	22
Energy	32
Forces	13
Forces and Motion	21
Light and Electromagnetic Waves	24
Magnetism and Electromagnetism	9
Space Physics	17
Waves in Matter	14
Grand Total	179

iGCSE Edexcel

Electricity	22
Energy Resources and Energy Transfer	31
Forces and Motion	38
Magnetism and Electromagnetism	18
Radioactivity and Particles	19
Waves	27
Grand Total	155

iGCSE Cambridge

Atomic Physics	20
Density	1
Electricity and Magnetism	28
Energy, Work and Power	17
Forces and Momentum	14
Length, Time and Motion	11
Mass and Weight	1
Pressure	3
Properties of Waves, Including Light and Sound	35
Thermal Physics	6
Grand Total	136

Activities generally take 10-15 minutes to complete or are timed activities to simulate an exam setting. Activities are automatically marked, and can be assigned to your class or a group of pupils, and tightly focused on quickly assessing knowledge.

Account Access and Support Details

Teacher Accounts

Go to <https://platform.samlearning.com>

Enter your login details & click sign in

Any problems? You will need to contact SAM Learning directly. Go to the [Forgotten your Teacher Login page](#) and fill in the form for them to resolve it.

Teachers can identify learner user ID's by logging into their teacher account and clicking Learners off the top navigation bar. This page contains a user ID column.

[Login here](#)

Learner Accounts

Go to <https://platform.samlearning.com>

Centre ID - the Centre ID is a unique identifier assigned to each school. The 'Can't log in?' feature is available.

User ID - a learner's user ID is typically their school email address. Where a Learner has no school email address it will be their six-digit DOB followed by their initials. I.E. Sam Large 01.01.21, the ID would be 010101SL

Password - a learner's password is typically their school email address. Where a Learner has no school email address it will be their six-digit DOB followed by their initials. I.E. If Sam Large was born on 1st January 2001, the user ID would be 010101SL

Service Support

Brief CPD Videos (links enclosed) are available or feel free to [email](#) SAM Learning for an overview of the geography materials so they can answer any questions that you or your colleagues may have about the service.



sst@samlearning.com



0845 130 4160

"I know it improves grades with regular use. I have used SAM Learning for nearly 15 years."

Naomi May. Bullers Wood School for Boys, England.

Quick Start Videos



What is Sam Learning?



Subject Intervention - Catchup



How to Set a Task



Classroom Intervention



Review Success



Class Differentiation Group



Question Level Analysis



Revision Guide for Students



Discover Content



Revision Guide for Teachers



Subject Intervention



Tutoring



Classroom Intervention CPD



Year 7 Numeracy



Middle Leader Support



Assessment for Learning



sst@samlearning.com



0845 130 4160



Watch now



Proven Impact



"I know it improves grades with regular use. I have used SAM Learning for nearly 15 years."

Naomi May. Bullers Wood School for Boys, England.