



COURSE GUIDE



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Who are HETAS?

HETAS are the leading training provider for solid fuel, wood and biomass offering comprehensive courses specifically designed for installers, chimney sweeps, retailers, specifiers, Local Authorities, Building Control officers and those involved in the wood fuel supply chain. HETAS training courses can be used towards registration on the range of schemes available with HETAS, including Competent Persons registration (CPS), Microgeneration Certification (MCS), Approved Retailer and Approved Chimney Sweeps.

HETAS Services

- Installer Registration**
Registered installers are trained and approved to UKAS standards and can self certify that their work complies with the relevant building regulations.
- Product Approval**
HETAS operates a third party scheme for approval of solid fuel and biomass appliances.
- Microgeneration Certification Scheme**
HETAS offers both MCS installer and MCS appliance schemes covering biomass and solar thermal technologies.
- Approved Retailers**
The HETAS approved retailer scheme provides kudos for stove shops and showrooms and aims to increase safety whilst promoting the reputation of good quality retailers.
- Quality Assured Fuel**
The Woodsure scheme provides a recognised quality standard for wood and biomass fuel quality.



Welcome To Thermal Earth

About Us

At Thermal Earth, we understand green energy. From supply and installation, to maintenance and training we are the experts in renewable heating technologies. In addition to our installation work, we deliver the highly regarded HETAS solid fuel courses from our new purpose built Training Academy. The Training Academy was developed due to increased demand for specialist training for both the solid fuel and renewable energy sectors.

“Our HETAS approved training centre includes all ten of the HETAS courses - one of the only training centres in the UK to do so.”

Meet Our Training Manager

Abigail Salini

Abigail Salini has been actively involved with Thermal Earth since inception. Having previously worked as Human Resources Manager for a national building contractor, Abigail has a wealth of experience within the training sector.

Since joining Thermal Earth and developing the Training Academy in 2011, Abigail has added many new strings to her bow including her A1 Assessor qualification. Abigail is currently working alongside Carmarthenshire Construction Training Association (CCTAL) and South West Wales Regional Shared Apprenticeship (SWWRSAL) as Human Resources Manager. Abigail Salini said: “We pride ourselves in delivering first-rate qualifications and promise to support you every step of the way in achieving this. Will is a vital cog in ensuring that we meet and exceed our promise. His unrivalled experience within the sector ensures that each and every candidate leaving this building does so with the vital tools to safely install without causing risk to self or others. Both Will and I look forward to welcoming you at the Thermal Earth Training Academy.”



Meet Our HETAS Trainer

Will Bowen

Will Bowen HETAS Trainer at Thermal Earth Will Bowen brings a wealth of insight and understanding to his training sessions. Will has a staggering 40 years experience of the heating industry, 30 of which has been gained in the Solid Fuel sector, working at British Coal and running a solid fuel heating installation business. Will is well regarded within the industry having worked with the Health and Safety Executive, Police Authorities and Local Authorities.

Will is currently working as a Technical Adviser/Inspector for HETAS. Speaking about the training at Thermal Earth, Will said: “I am delighted to be involved with the Thermal Earth Training Academy. Thermal Earth's experience in the installation and maintenance of both solid fuel and renewable heating incorporating biomass boilers is second to none. Abigail's understanding of the high standards required by HETAS is key to the success of the Thermal Earth Training Academy. We have done all we can to ensure that attendees have both an educational, informative and productive course with us here at Thermal Earth.”

H001: Introduction To Solid Fuel

Target Audience

This course is designed for those starting out in the solid fuel industry with no prior knowledge or experience in the heating

Pre-requisites

Candidates require no previous knowledge or experience.

Course Duration

1 day

Assessment Method

Theroy

Course Outcome

HETAS Statement of Results.

Next Steps

Successful candidates can progress on to other HETAS courses.

Course Content

- ✓ Types of solid fuels and the factors affecting fuel selection
- ✓ Fuel preparation, seasoning and storage
- ✓ Appliance types and operating principles
- ✓ Principles of safe combustion of solid fuels
- ✓ Industry rules, regulations and standards
- ✓ Identifying and responding to unsafe conditions

Price

£225 ex VAT



H002: Solid Fuel Regulations

Target Audience

This course is suitable for Retail showroom staff, building surveyors, building control officers & architects. HETAS Registrants wishing to refresh or update their knowledge can also sit the online course.

Pre-requisites

Some experience in the solid fuel industry such as a stove or fuel showroom.

Course Duration

1 day

Assessment Method

Theroy & interactive group activities.

Course Outcome

HETAS Statement of Results.

Course Content

- ✓ The Course Content from H001 plus:
- ✓ The role of HETAS and its Competent Person Scheme
- ✓ Chimneys, flues & terminals
- ✓ Air supply & ventilation
- ✓ Regional variation of Building Regulations

Price

£225 ex VAT

Next Steps

Joining the HETAS Approved Retailer Scheme.



H003: Dry Appliance Installer Courses

There are three courses available at Thermal Earth under the H003 Dry Appliance Installer umbrella. These are: the H003DS, H003DS+ (which incorporates the H001, H003DS and Practical Enrichment course) and the H003R refresher course.

H003DS

Target Audience

This course is suitable for Candidates with relevant experience in the construction industry, including allied trades such as plumbing and heating installers.

Pre-requisites

At least one of the following:

- Demonstrable, relevant work experience.
- OFTEC technician
- Registered Gas Safe operative
- Registered member of GOMCS, APICS or NACS

Course Duration

3 days

Course Outcome

HETAS Statement of Results.

Assessment Method

Theory & Practical

Course Content

- ✓ Solid fuel and the factors affecting fuel selection
- ✓ Fuel preparation, seasoning & storage requirements
- ✓ Appliance types and operating principles
- ✓ Safe combustion of solid fuels
- ✓ Industry rules, regulations & standards
- ✓ Identifying & responding to unsafe situations
- ✓ Chimneys, flues & terminals
- ✓ Air supply & ventilation
- ✓ Installation of hearths & fireplaces
- ✓ Commissioning & handover of dry appliances
- ✓ Identification of faults & the correct use of terminals
- ✓ Service & Maintenance of dry solid fuel appliances

Price £675 ex VAT

H003DS PLUS

Target Audience

This course is designed for those starting out in the solid fuel industry with little knowledge or practical experience in the heating sector., to meet the pre-requisites for the standard H003DS course.

Pre-requisites

Candidates require previous knowledge or experience in a related industry.

Course Duration 5 Day

Course Outcome HETAS Statement of Results.

Assessment Method Theory & Practical

Course Content

- ✓ Please see the course content from H003DS, Plus:
- ✓ 'Hands-on' experience in the installation of solid fuel appliances
- ✓ Fit a solid fuel appliance from stove to flue.
- ✓ Install a flue system on our simulated roof top
- ✓ Build on the theory of the course
- ✓ Equip candidates with the practical know-how

Price £1,125 ex VAT

Next Steps

Joining the HETAS Competent Person, Approved Servicing or Sweep Schemes. Successful H003 or H003DS candidates can also progress on to other HETAS courses.



H003R - Refresher

Target Audience

Available to any person who has previously completed a HETAS course. Refresher training is a mandatory requirement for all competent person schemes.

Pre-requisites

Refresher course can only be sat within 12 months of course expiration.

Course Duration

3 days

Assessment Method

Theory & Practical

Course Outcome

Candidates will have competencies renewed for 5 years.

Price

£500 ex VAT



H004: Wet Appliance Installer

Target Audience

This course is suitable for candidates with plumbing & heating qualifications who have successfully completed the H003 or H003DS sector.

Pre-requisites

HETAS H003 or H003DS Dry Appliance or HETAS H009 Service & Maintenance (will give service & maintenance competence only) and evidence of at least one of the following:

- OFTEC technician
- Gas Safe Registration
- Formal qualifications: City & Guilds or QCF or equivalent award
- Work experience on wet heating systems
- N/SVQ Level 2/3 in Plumbing or equivalent earlier certification

Course Duration

2 days

Course Content

- ✓ Wet system installation, design and specification
- ✓ The principles of gravity circulation System controls
- ✓ Integration with other types of wet heating system
- ✓ Commissioning handover
- ✓ Service & maintenance

Assessment Method

Theory & Practical

Course Outcome

HETAS Statement of Results.

Price

£475 ex VAT

Next Steps

Successful candidates can register the competence of the installation of stoves with boilers.





H005: Biomass Appliance Installer

Target Audience

This course is suitable for plumbing, heating, oil, gas & building services engineers or any person with a building services background. Also suitable for existing HETAS registrants who wish to attain the skills necessary to install biomass boiler appliances.

Course Duration

5 days

Course Outcome

HETAS Statement of Results.
HETAS also award Dry and Wet installer competencies (equivalent to H003 and H004).

Assessment Method

Theory & Practical

Price

£1,150 ex VAT

Pre-requisites

Option 1:: Formal Qualification Entry Route

- N/SVQ Level 2/3 in: Plumbing or Heating and Ventilating (Domestic Installation) or equivalent earlier certification providing evidence of competence; or
- Heating & Ventilating (Industrial and Commercial Installation) or equivalent earlier certification providing evidence of competence; or
- Oil-Fired Technical Services or equivalent earlier certification providing evidence of competence; or
- Gas installation and Maintenance or equivalent earlier certification providing evidence of competence including: Water regulations/ Water Byelaws (WRAS or equivalent)

Option 2: Experience Worker Route

Requires candidates to present a portfolio of work for approval by the Training Centre prior to the course. The following could be used as evidence:

- Work experience within the plumbing and heating industry
- OFTEC technician
- A valid current gas safe registration
- City & Guilds technical certificates

Course Content

- ✓ Biomass appliance installation
- ✓ Types of solid fuels & factors affecting solid fuel and fuel selection
- ✓ Fuel preparation & storage
- ✓ Appliance types & operating principles
- ✓ Industry rules, regulations & standards
- ✓ Identifying & responding to unsafe situations
- ✓ Chimneys, flues & terminals
- ✓ Air supply & ventilation
- ✓ System design & heat load calculations
- ✓ Lifecycle cost analysis
- ✓ Commissioning and decommissioning
- ✓ Diagnosis and rectification of faults
- ✓ Service & maintenance of biomass appliances

Next Steps

Successful candidates can register the competence of the installation of stoves with boilers.



H006: System Chimneys

Target Audience

This course is suitable for candidates who have successfully completed the H003/H003 DS or H005 course. This is a one-day bolt on to the H003/H003 DS or H005 courses and can be taken at the same time or at a later date.

Pre-requisites

Compulsory: HETAS H003/DS Dry Appliance Installer course or H005DE Biomass Installer course.

Course Duration

1 day

Assessment Method

Theroy & Practical

Course Outcome

HETAS Statement of Results.

Course Content

- ✓ Chimneys, flues and terminals
- ✓ Installation, design and testing of twin-wall system chimneys and connecting pipes
- ✓ Industry rules, regulations & standards

Price

£250 ex VAT

Next Steps

Successful candidates can register the competence of the installation of internal system chimneys.



H008: Dry Pellet Stove Installer

Target Audience

This course is suitable for candidates who have successfully completed the H003 course and wish to expand their knowledge to include the installation of automated dry pellet stove appliances.

Pre-requisites

Compulsory: HETAS H003/DS Dry Appliance Installer course or H005DE Biomass Installer course.

Course Duration

1 day

Assessment Method

Theroy & Practical

Course Outcome

HETAS Statement of Results.

Course Content

- ✓ Operating principles of automated pellet stoves.
- ✓ Dry pellet stove system design and specification.
- ✓ Dry pellet stove appliance selection.
- ✓ Installation and commissioning of dry pellet stove appliances.
- ✓ Handover, service and maintenance of dry pellet stove appliances

Price

£225 ex VAT

Next Steps

Successful candidates can extend the scope of their knowledge on the installation of automated dry pellet stove appliances.

H009: Service & Maintenance

Target Audience

This course is ideal for businesses with relevant experience who don't wish to undertake installation work; including stove retailers, chimney sweeps, allied trades (e.g. plumbing/heating installers), maintenance operatives and housing associations.

Pre-requisites

At least one of the following:

- Demonstrable, appropriate previous work experience on stoves
- OFTEC technician
- Registered Gas Safe operative
- Registered member of GOMCS/APICS/NACS/Sweep Safe
- Plumbing & Heating Service / Maintenance engineer

Course Duration

2 days

Course Outcome

HETAS Statement of Results.

Assessment Method

Theory & Practical

Course Content

- ✓ Be able to assess the current status and prepare for maintenance
- ✓ Know the service and maintenance requirements for dry solid fuel appliances
- ✓ Know the fault diagnosis and rectification procedures for dry solid fuel appliances
- ✓ Safe operation and testing of appliance
- ✓ Commissioning requirements of dry solid fuel appliances
- ✓ Know essential advice for the end user

Price

£500 ex VAT

Next Steps

Successful candidates can register the competence of Service and Maintenance of Dry Solid Fuel Appliances.



HETAS Stove Retailer

Target Audience

This course is suitable for retail showroom staff.

Pre-requisites

There are no pre-requisites required for this course.

Course Duration

1 day

Course Content

This one day course involves group discussions and interactive sessions aimed at giving learners an understanding of solid fuel types and appliances in terms of the factors affecting selection, storage and the legislation that applies to dwellings.

Assessment Method

No Assessment

Course Outcome

Successful delegates will receive a certificate of competence

Price

£300 ex VAT

Refresher Courses

Target Audience

Available to any person who has previously completed a HETAS course.

This course is suitable for HETAS registrants who wish to maintain registration are required to complete refresher training every 5 years.

Refresher training is a mandatory requirement for all competent person schemes.

Courses Available & Duration

H003R - 2 days

H004R - 2 days

H006R - 1 day

H009R - 1 day

Course Content

- ✓ Changes to policy, standards and legislation
- ✓ Health & Safety updates
- ✓ Commissioning & Handover
- ✓ Updates in technology and integration



Course List & Prices

H001	=	£225 + VAT
H002	=	£225 + VAT
H003DS	=	£675 + VAT
H003DS+	=	£1,125 + VAT
H003R	=	£500 + VAT
H004	=	£475 + VAT
H005	=	£1,150 + VAT
H006	=	£250 + VAT
H008	=	£225 + VAT
H009	=	£500 + VAT
Retailer	=	£300 + VAT

Terms & Conditions

Please note these 'Terms and Conditions' may be subject to change without notice.

Booking

- Before booking onto the course, please ensure you have read the course content, to ensure the course will meet your training needs and that you are able to meet pre-requisites, where stated.
- When booking for an employee, it is the responsibility of the employer, when booking to ensure the candidate is suitable for the course and has the relevant experience.
- Upon receipt of your booking request and subsequent deposit payment your place(s) will be confirmed.

Invoicing and Payments

- A non refundable deposit is payable upon booking unless a valid, authorised Purchase Order is provided and accepted.
- Invoices will be sent via email to the email address provided on booking and must be paid in full within 7 days of the course start date.
- If a booking is made less then 7 days prior to the course start date then the full course fees are payable on booking.
- Payment must be made via credit/debit card, transfer or BACS.
- If any amount due to THERMAL EARTH under or in connection with these terms and conditions remains outstanding beyond the due date THERMAL EARTH may cancel your booking with any deposit paid lost or claim interest and statutory compensation pursuant to the Late Payment of Commercial Debts (Interest) Act 1998).

Course Attendance & Certification

- Candidates will receive and email with the course details and centre address to the email address provided at the time of booking.
- If the course confirmation is not received, it is the responsibility of the individual who completed the course registration/ booking to contact THERMAL EARTH Training department to arrange for them to be reissued.
- Failure to attend the course will result in the full cost being incurred.
- THERMAL EARTH will send all correspondence primarily via email to the email address provided on booking. If alternative details are received after booking they will supersede the original details and all future correspondence will be sent to the new address.
- No certificate(s) shall be issued whilst there is an outstanding balance (including interest on overdue balances and statutory compensation) due to THERMAL EARTH.
- It may be necessary, for reasons beyond the control of THERMAL EARTH, to change the content and timing of the programme, the date, the venue or the tutor.



Cancellations & Amendments

- All requests for cancellations and/or transfers must be received in writing.
- The appropriate cancellation charge will apply based on the cost of your booking, as shown in the table below. *excluding extenuating circumstances which will be charged at THERMAL EARTH's discretion.
- No refunds will be issued for any deposit payments made.
- In the event that an individual named on the booking form cannot attend, we will accept substitution of another delegate on the condition that written notification of the substitution has been received by us prior to the course date and an administration fee of £49.50 plus VAT has been paid.
- Delegates are only permitted to one course transfer or substitution per booking. After this the full fee will be charged.
- In the event of there being insufficient numbers booked onto a course THERMAL EARTH reserves the right to cancel or postpone the course.
- In the event of cancellation of a course by THERMAL EARTH, we will endeavour to inform all participants a week before the course is due to take place, although please be aware that this is not always possible. All course fees paid will be reimbursed in full, or the payment will be transferred in full to another THERMAL EARTH course. THERMAL EARTH shall not accept liability for any consequential loss and shall have no liability to reimburse any other costs that may have been incurred, including transport costs, accommodation etc.

Notice of Cancellation / Transfer	Refund / Fee Applied
Between 8 to 28 days before course	£49.50 Admin fee
Between 1 to 7 days before course	No refund. No Transfer
Failure to attend	No refund. No fee transfered

Course Provisions

Accommodation and travel are the responsibility of the candidate. Lunch is provided by the centre on all full day courses unless otherwise stated. The cost is included in the price quoted.

Entire Agreement

These terms and conditions, together with the current THERMAL EARTH website prices, course details and THERMAL EARTH contact details, set out the whole of our agreement relating to the supply of the course and associated materials and services to you by THERMAL EARTH.

These terms and conditions cannot be varied except in writing signed by a Director of THERMAL EARTH. In particular, no terms and conditions incorporated within your purchase order and nothing said by any person on behalf of THERMAL EARTH should be understood as a variation of these terms and conditions or as an authorised representation about the nature or quality of any goods or services offered for sale by THERMAL EARTH. THERMAL EARTH shall have no liability for any such representation being untrue or misleading.



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