

CLIMBING

Lee Browning

ABOUT ME

The Boardroom Climbing

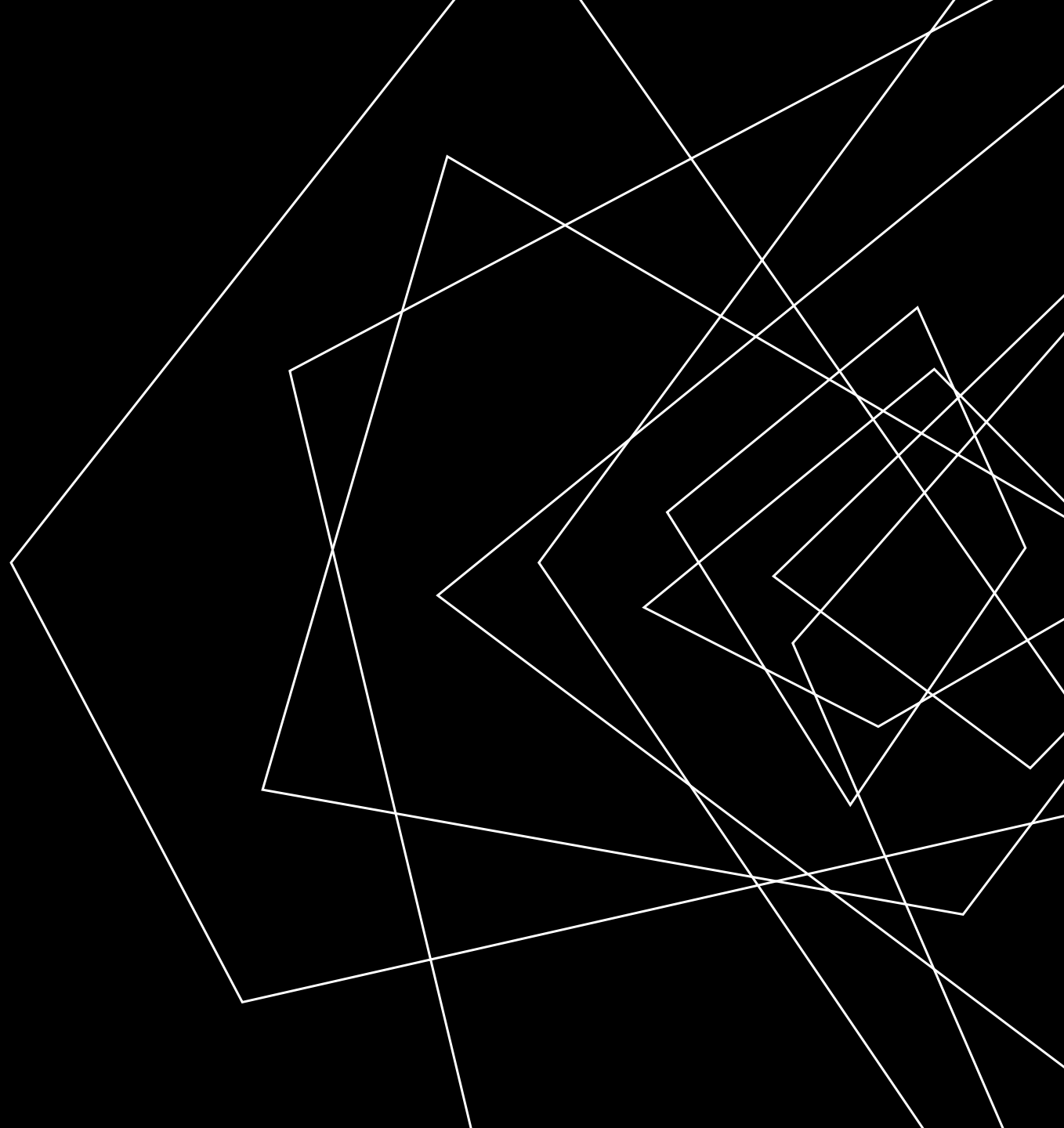
ABC for 7 years

NICAS board for 4 years

Climbing instructor since 2004

Climbing coach

Outdoor industry before walls, Princes trust
etc





INSPECTIONS

DIFFERENT FORMS
OF CLIMBING

ORGANISATIONS

WHAT GUIDELINES
THE INDUSTRY USES

ENTRY
REQUIREMENTS

ACCIDENTS

TYPES OF CLIMBING

BOULDERING



TYPES OF CLIMBING

ROPES -

TOPROPE / LEAD



TYPES OF CLIMBING

AUTO BELAYS - CLIP AND CLIMB AND
THE DIFFERENCE



ALL TYPES



WHO'S WHO

ABC _____ Association of British climbing walls
And Route Setting Development (formally RSA)

BMC _____ National governing body
GB climbing
(climbing wall manual)

MOUNTAIN TRAINING _____ Instructing qualifications (AALA)

NICAS _____ National indoor climbing award scheme

ALAA and IRATA



ABC

HISTORY

The Association of British Climbing Walls (ABC) was established in 1994 to promote safe management practices in climbing walls. Over the past 20 years the Association has developed into what it does today

AIMS / MEMBERSHIP

Safety

250 wall members

GUIDELINES

Operations

Technical advisors

ASK US! We will try to help, small but helpful!

Getting a set of guidelines, when they come out etc



WALKING INTO A WALL

WHERE TO FIND INFORMATION FOR SAFE OPERATIONS

EN GUIDELINES

How the wall should be built

ABC GUIDELINES

How it should be run

Safe operations

MTA

Qualifications of instructors

Or site specific

RSD/ABC

Route setting / working at height

EN/CE/UIAA

Equipment

EN GUIDELINES

EN 12572-1:2017

Artificial climbing structures - Part 1: Safety requirements and test methods for ACS with protection points

EN 12572-2

Artificial climbing structures - Part 2: Safety requirements and test methods for bouldering walls

EN 12572-3

Artificial climbing structures - Part 3: Safety requirements and test methods for climbing holds

Company built, old, self build, inspections

Pull testing, annual inspections, manufacture guidelines

EQUIPMENT

STANDARDS

Climbing equipment EN number

Working at height equipment EN number

Puwer - regulations

CE or UIAA – UKCA

UIAA – American items

INSPECTIONS

Lyon

PPE CE numbers level 3

ABC, intervals of inspection

Manufactures guidelines

LOLA– route setting, inspections of kit minimum once every 3 months

Competent person, be able to make the decisions without pressure from management

Some of the numbers, this will change:

Harnesses

UIAA 105

EN 361 – Full body harness

EN 813 – Sit harness

Helmets

UIAA 106

EN 12492 and EN 397 – Impact protection

Ropes and slings

EN 892 UIAA 101 – dynamic rope

EN 1891 – Low stretch rope (commonly known as static) UIAA 107

EN 564 – Accessory cord UIAA 102

EN 566 – Slings UIAA 104

Devices

EN 341- Descend devices e.g. Rig, I.D. old Gri Gri, Stop.

EN 12841- Rope adjustment devices and fall arrest e.g. I.D., Croll.

EN 567 – Rope clamps e.g. Traction pulleys, Ropeman UIAA 126

EN 12278 – Pulleys UIAA 127

Connectors

EN 12275 and UIAA 121– Connectors used in mountaineering

EN 362 – Connectors used for work positioning and fall arrest.



TECHNICAL ADVISORS

BOULDERING

No TA

ROPED,
TOPROPE/LEAD

TA

AUTO BELAYS - CLIP
AND CLIMB

No TA

WORKING AT HEIGHT

Ropes vs boulders

RSD

ABC - GUIDELINES

ASK US

- We can provide a copy if you need them

Current V6:

- Part 1 – Design, Construction & Maintenance
- Part 2 – Access to and Use of Facilities
- Part 3 – Health & Safety

AREAS THEY COVER

NEW AND COMING

- Auto belays
- [Part 1: Design, Construction & Maintenance of ACS](#)
- [Part 2: Policies and Procedures](#) is primed to go out in next couple of week
- Part 3: Safeguarding
- Part. 4: Access to and Use of Facilities
- Part 5: Access for Additional Facilities

ENTRY REQUIREMENTS AND AOR FORMS

BOULDERING

AOR

VIDEO

ABC SAFETY
VIDEO

ROPED CLIMBING

AOR

Picture/physical test

AUTO BELAY
CLIMBING
CLIP AND CLIMB
– NON ABC

AOR

Usually video

ACCIDENTS

Some numbers to guide you – ABC and the ARD

STATS

0.3-0.6 per 1000 visits

BOULDERING

Lower limb and why

ROPED CLIMBING

Mixed centres

Ratio of accidents 70-80%

AUTO BELAY CLIMBING

Dedicated centres

Climbing centres

A little caution, below is available info
from America

SPORTS AND RECREATION RELATED INJURIES	
ACTIVITY	RATE OF INJURY (PER 1,000 PERSONS PER YEAR)
GENERAL EXERCISE (AEROBICS, RUNNING/JOGGING, EXERCISING AND WEIGHT LIFTING)	5.3
BASKETBALL	3.3
AMERICAN FOOTBALL	3.1
CYCLING	2.5
FOOTBALL	2.1
GOLF, TENNIS, BADMINTON, BOWLING, FISHING, HIKING AND OTHER LEISURE SPORTS	1.8
BASEBALL/SOFTBALL	1.6
RUGBY, HOCKEY, VOLLEYBALL, CRICKET AND OTHER TEAM SPORTS	1.5
WATER SPORTS	1.4
COMBATIVE SPORT	1.2
SNOW SPORT	1.1



TO CONCLUDE

ABC

Operations

EN

Climbing structures

EN CE UIAA UKCA

Equipment

Inspections – operations – equipment failure

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THANK YOU

Lee Browning

www.abcwalls.co.uk