

| Home Team | Result | Away Team | Date | Time Status |
|------------------------------|---------------|------------------------------|---------------|--------------------|
| Thornaby Challengers | 3 - 1 | Hartlepool B | Tue 8 Oct 24 | 19:00 OV |
| Hartlepool B | 3½ - ½ | Billingham Synthonia Chemics | Mon 21 Oct 24 | 19:00 OV |
| Hartlepool B | 3 - 1 | Darlington C | Mon 4 Nov 24 | 19:00 OV |
| Hartlepool B | 1 - 3 | Middlesbrough Knights | Mon 18 Nov 24 | 19:00 OV |
| Great Ayton C | ½ - 3½ | Hartlepool B | Wed 4 Dec 24 | 19:00 OV |
| Hartlepool B | 0 - 0 | Billingham Synthonia Belasis | Mon 6 Jan 25 | 19:00 OU |
| Thornaby B52s | 0 - 0 | Hartlepool B | Tue 21 Jan 25 | 19:00 OU |
| Hartlepool B | 0 - 0 | Thornaby Challengers | Mon 3 Feb 25 | 19:00 OU |
| Billingham Synthonia Chemics | 0 - 0 | Hartlepool B | Wed 19 Feb 25 | 19:00 OU |
| Darlington C | 0 - 0 | Hartlepool B | Wed 5 Mar 25 | 19:15 OU |
| Middlesbrough Knights | 0 - 0 | Hartlepool B | Mon 17 Mar 25 | 19:00 OU |
| Hartlepool B | 0 - 0 | Great Ayton C | Mon 31 Mar 25 | 19:00 OU |
| Billingham Synthonia Belasis | 0 - 0 | Hartlepool B | Wed 16 Apr 25 | 19:00 OU |
| Hartlepool B | 0 - 0 | Thornaby B52s | Mon 28 Apr 25 | 19:00 OU |