Remit for Stem Bursary Advisory Group 2022

<u>Role</u>

The role of the group will be to review the implementation of the bursary scheme in 2021/22 and provide advice on any necessary changes to the scheme for 2022/23.

<u>Remit</u>

- To review all aspects of the 2021/22 Stem Bursary Scheme.
- To consider and inform changes to eligibility criteria for 2022/23 including eligible subjects, qualification level and employment history.
- To review the impact on ITE uptake and teacher recruitment.

<u>Membership</u>

Redacted under section s38(1)b (personal information) of FOISA

STEM Bursary Advisory group

Tuesday 8 February 2022

11.30 am – 12.30 pm

Microsoft Teams

AGENDA

1. Welcome and introductions.

2. SDS STEM Bursary 2021/22 evaluation report: Update/Issues from SDS on the 2021/22 scheme.

3. Discussion on the criteria for the 2022/23 scheme.

4. Next Steps.

5. AOB

STEM Bursary Advisory group

Tuesday 8 February 2022

Note of meeting

Attendees

Redacted under section s38(1)b (personal information) of FOISA

Apologies

Redacted under section s38(1)b (personal information) of FOISA

Note

1.   Welcome and Introductions

The Chair welcomed the members to the first meeting of the 2022 advisory group.

2.   SDS STEM Bursary Scheme 2021/22 Eligibility Criteria paper

The paper provided a summary of the issues for the advisory group to consider for the 2022/23 STEM Bursary Scheme.

There was a lengthy discussion on the issues that had arose during the 2021/22 scheme. The group agreed that no major changes would be required for this year's criteria.

It was agreed however that the requirement to have evidence that an applicant had been in employment for 150 hours would be removed and the following criteria would be included for the 2022/23 scheme.

- Applicants who can evidence they have been in receipt of carers allowance for 36 months out of the last 60 will also meet the employment eligibility criteria.
- At the point of application, applicants need to be at least 36 months away from full time education (excluding those who have completed three years of a remunerated PhD which includes teaching experience). Further and at the discretion of SDS, any applicant who has since 30/9/17 undertaken a short full time top up course to meet the academic entry requirements of their chosen PGDE) including but not limited to, Higher English and National 5 Mathematics will be deemed eligible.

4.   Next steps

It was agreed no further meeting would be required, the Chair thanked the members for their time and contribution.
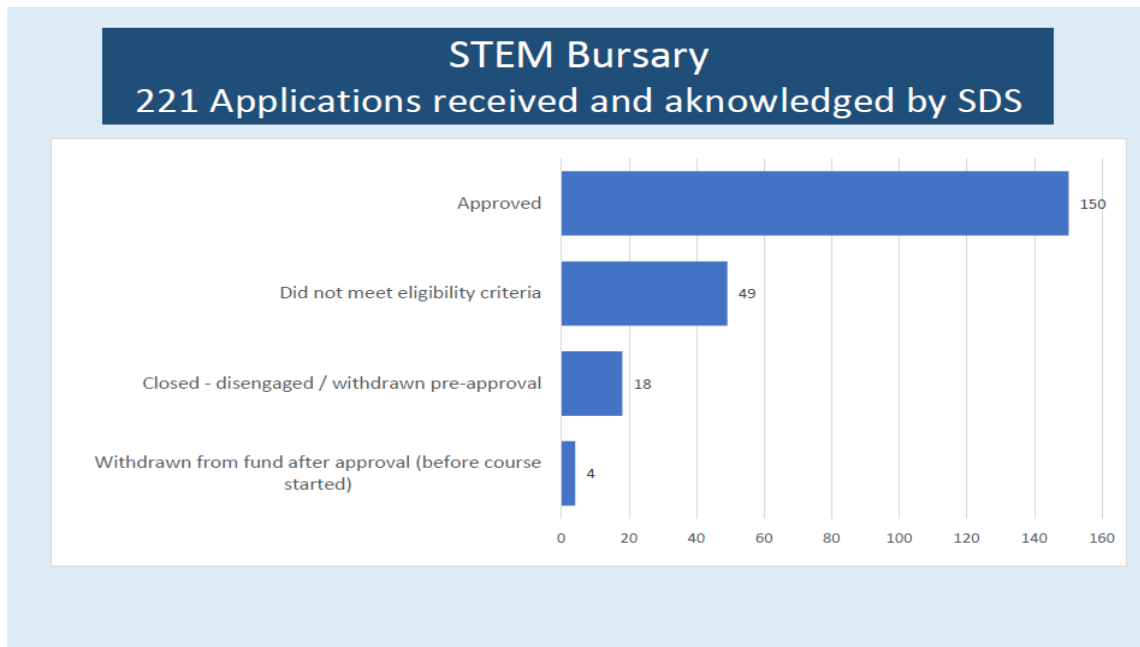
STEM Teacher Bursary

Report of the review of the 2021/22 scheme

Contents

1. Introduction

STEM Bursary
221 Applications received and aknowledged by SDS

Category	Value
Approved	150
Did not meet eligibility criteria	49
Closed - disengaged / withdrawn pre-approval	18
Withdrawn from fund after approval (before course started)	4

150 bursaries were approved. At the end of the 2020/21 academic session, the outcomes of the students' courses of study were as follows:

Successful Completion	114
Did not complete course	17
Due to complete course in 2021/22 academic year	19

In the 2019/20 academic session 111 bursaries were approved with 94 successfully completing. 2 Recipients are still to complete.

In the 2018/19 academic session, 107 bursaries were approved with 95 successfully completing.

1.2   Updates to STEM Bursary for 2021/22 Intake

The following change was made to the eligibility criteria for 2021/22:

- The employment criteria requirement for applicants (including for those in receipt of Carer's Allowance) to demonstrate they have worked for 36 months in the last 60 months was extended to within the last 72 months. This was to accommodate individuals affected by the COVID-19 pandemic.
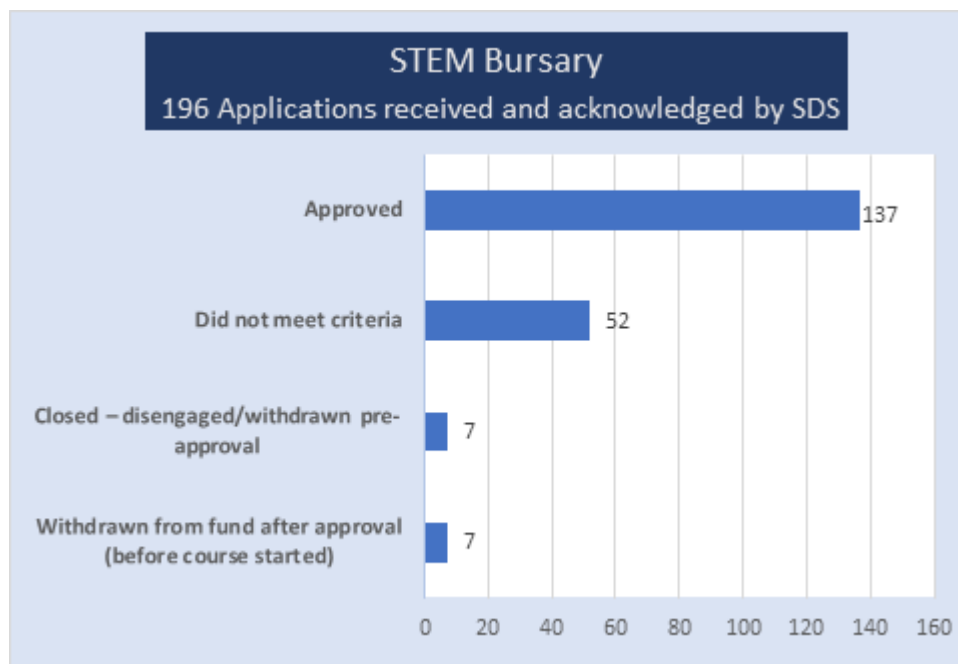
2.   Eligibility Criteria for 2021/22 Intake

1. Applicants need to have been in paid employment for at least 36 months out of the last 72 months (including career breaks). Applicants who can evidence they have been in receipt of carers allowance for 36 months out of the last 72 will also be deemed to meet the employment eligibility criteria.

2. Applicants need to hold a 2.1 degree or meet the minimum initial teacher education (ITE) entry requirement with a relevant masters qualification, the content of which would make them suitable to teach maths, computing science, technical education, physics, chemistry or home economics.

3. Normal entry requirements for PGDE ITE also apply. At the point of application, applicants need to be at least 36 months away from full time education (excluding those who have completed three years of a remunerated PhD which includes teaching experience). Further, and at the discretion of SDS, any applicant who has since 30th September 2018 undertaken a short full time top up course to meet the academic entry requirements of their chosen PGDE including but not limited to, Higher English and National 5 Mathematics will be deemed eligible.

4. Applicants must have an offer of a place on a PGDE ITE programme at a Scottish university before applying.

3.   Summary of 2021/22 Applications and Awards

This section summarises overall bursary applications and successful bursary awards as well as breakdown of bursary recipients by ITE institution and subject.

3.1   Total applications and reasons for non-award of bursaries

In total, 196 applications to the Bursary Scheme were received via on-line application at www.stembursaryscotland.co.uk, with 137 of these approved as meeting the eligibility criteria and accepting the bursary award. This chart summarises the reasons for the 59 unsuccessful applications.

STEM Bursary
196 Applications received and acknowledged by SDS

Category	Value
Approved	137
Did not meet criteria	52
Closed – disengaged/withdrawn pre-approval	7
Withdrawn from fund after approval (before course started)	7

Source: Skills Development Scotland

3.2   Successful Bursary Recipients by ITE Institution

	University	Total offers
1	Edinburgh Napier University	18
2	Queen Margaret University	4
3	University of Aberdeen	12
4	University of Dundee	4
5	University of Edinburgh	14
6	University of Glasgow	18
7	University of Strathclyde	58
8	University of the Highlands and Islands	8
9	University of the West of Scotland	1
	Grand Summary:	137

Source: Skills Development Scotland

3.3   Recipients by ITE Subject and Insitution

The distribution of bursary recipients and ITE subject and university is shown below.

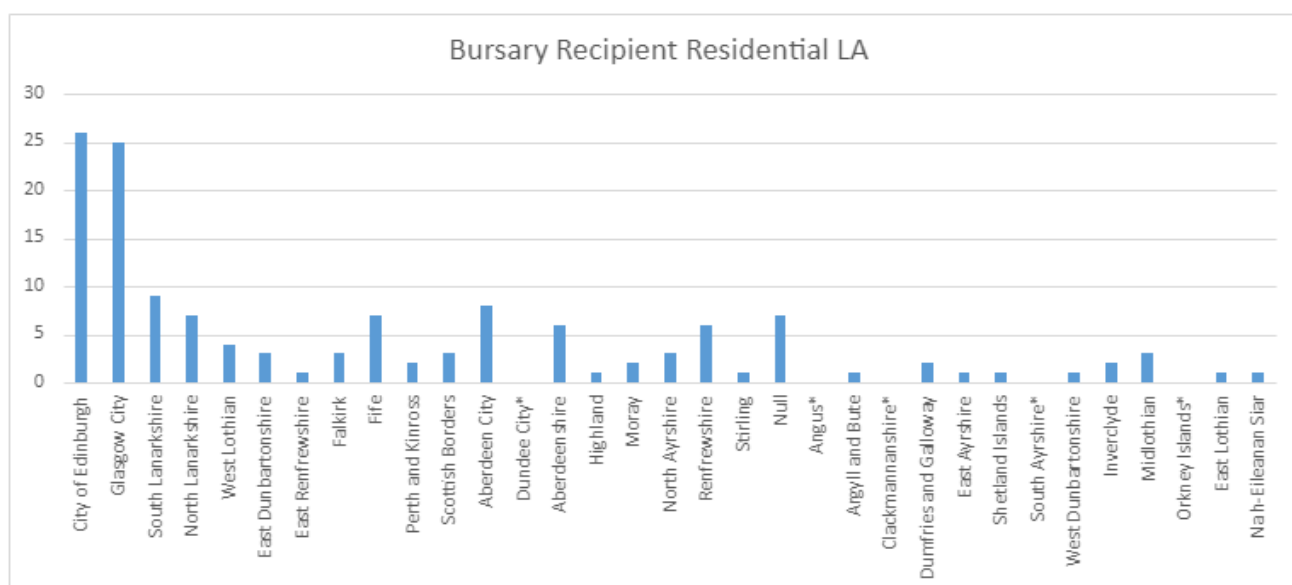| University	ITE Subject								
	Chemistry	Dual Chemistry/ Biology	Computing	Maths	Dual Maths/ Physics	Physics	Dual Technical Education/ Physics	Technical Education	Home Economics
Aberdeen University	3	1		7		1			
Dundee University	1				1				2
Edinburgh University	3			5		1		5	
Glasgow University	5		4	5		4			
Strathclyde University	9		9	12	1	9	1	13	4
University of Highlands & Islands	1		1	1	1	1		2	1
University of West of Scotland	1								
Queen Margaret University									4
Edinburgh Napier University	8			8		2			
Total Recipients by Subject	**31**	**1**	**14**	**38**	**3**	**18**	**1**	**20**	**11**

4.   Profile of Bursary Recipients

This section looks at bursary recipients by their residence at time of application, preferred destination(s) for future employment, gender, ethnicity, disability and age.

4.1   Bursary Recipients by Local Authority

The distribution of bursary recipients by the local authority area in which they resided at the time of application.

* No Bursary Recipients 2021/22

Source: Skills Development Scotland

4.2 Bursary Recipients by Scottish Parliamentary Constituency

The number of bursary recipients by the Scottish parliamentary constituency in which they were resident at the time of their application.

Scottish Parliamentary Constituency	Bursary Recipients
Clydebank and Milngavie	0
Clydesdale	1
Glasgow Kelvin	9
Linlithgow	2
Edinburgh Central	7
Uddingston and Bellshill	0
Eastwood	0
Edinburgh Northern and Leith	2
Edinburgh Southern	6
Falkirk East	2
Hamilton, Larkhall and Stonehouse	1
Midlothian South, Tweeddale & Lauderdale	3
Perthshire South and Kinross-shire	2
Renfrewshire South	2
Aberdeen South and North Kincardine	6
Coatbridge and Chryston	2
Cumbernauld and Kilsyth	1
Dundee City East	0
East Kilbride	1
Falkirk West	1
Glasgow Anniesland	2
Glasgow Southside	6
Kirkcaldy	2
Moray	2
Stirling	1
Null	7
Aberdeen Central	2
Aberdeenshire East	2
Airdrie and Shotts	2
Almond Valley	2
Angus North and Mearns	0
Ayr	0
Banffshire and Buchan Coast	0
Caithness, Sutherland and Ross	0
Clackmannanshire and Dunblane	0
Cowdenbeath	3
Cunninghame North	1
Cunninghame South	2
Dumbarton	1
Dundee City West	0
Edinburgh Eastern	7
Edinburgh Pentlands	2
Edinburgh Western	2
Ettrick, Roxburgh and Berwickshire	1
Galloway and West Dumfries	1

Glasgow Cathcart	2
Glasgow Maryhill and Springburn	1
Glasgow Pollok	2
Kilmarnock and Irvine Valley	1
Motherwell and Wishaw	2
North East Fife	2
Paisley	1
Perthshire North and West	4
Rutherglen	6
Shetland Islands	1
Skye, Lochaber and Badenoch	1
Strathkelvin and Bearsden	3
Carrick, Cumnock and Doon Valley	0
Dumfriesshire	1
Dunfermline	0
Greenock and Inverclyde	2
Mid Fife and Glenrothes	0
Midlothian North and Musselburgh	3
Orkney Islands	0
Glasgow Shettleston	1
Inverness and Nairn	0
Renfrewshire North and West	4
Aberdeen Donside	3
Aberdeenshire West	1
Angus South	0
Argyll and Bute	1
East Lothian	0
Glasgow Provan	2
Na h-Eileanan an Iar	1

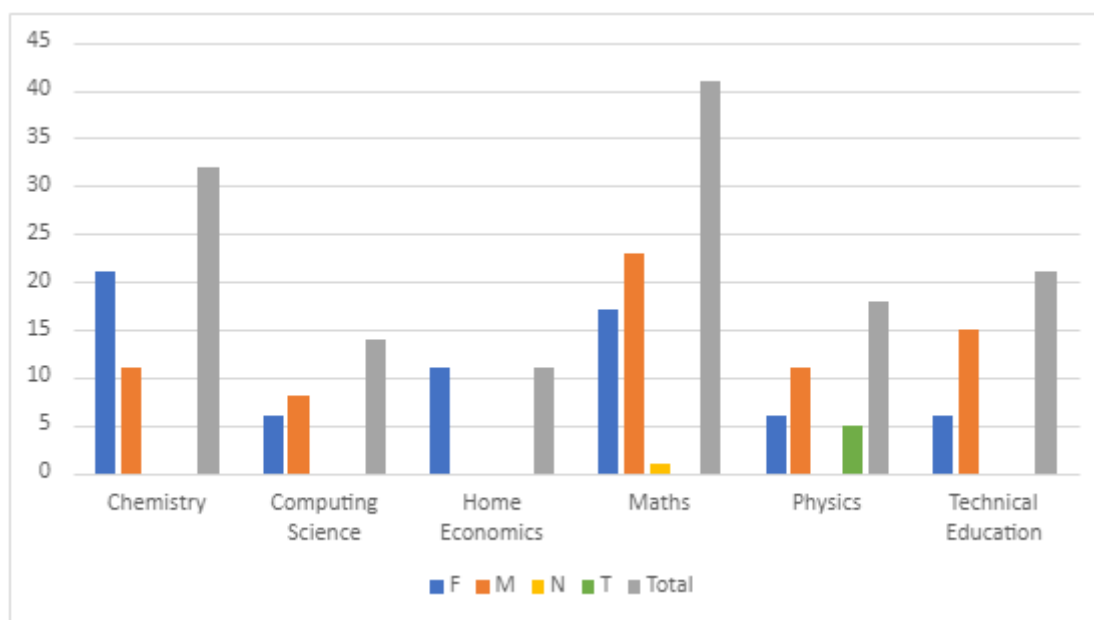## 4.3   Preferred Destination for Future Employment by Local Authority

During the application process applicants were asked, on a voluntary basis, to indicate which local authority area(s) they would consider seeking employment in on successful completion of their ITE course.

Local Authority	Total Selected
Glasgow City	76
North Lanarkshire	51
City of Edinburgh	57
South Lanarkshire	48
West Lothian	54
East Renfrewshire	51
Falkirk	38
Stirling	45
East Dunbartonshire	39
Midlothian	52
Fife	39
North Ayrshire	32
West Dunbartonshire	35
East Lothian	45
Renfrewshire	48
Perth and Kinross	25
East Ayrshire	28
Inverclyde	38
Clackmannanshire	26
Scottish Borders	33
South Ayrshire	24
Dundee City	21
Aberdeen City	35
Aberdeenshire	35
Angus	23
Dumfries and Galloway	21
Argyll and Bute	24
Highland	25
Moray	24
Na h-Eileanan an Iar	18
Orkney Islands	17
Shetland Islands	18

Source: Skills Development Scotland

4.4 ITE Subject Choice by Gender

The chart and table below summarise ITE subject choice by gender. Any subject category with fewer than 5 responses is shown as *<5 to avoid possible identification of individuals.

F= Female, M= Male, N=Prefer not to say, T= Transgender   Source: Skills Development Scotland

Teaching Field	F	M	N	T	Total
Chemistry	21	11	0	0	32
Computing Science	6	8	0	0	14
Home Economics	11	0	0	0	11
Maths	17	23	1	0	41
Physics	6	11	0	>5	18-21
Technical Education	6	15	0	0	21

Source: Skills Development Scotland

Note the five bursary recipients undertaking dual teaching qualifications have been included within their first subject choice on which the bursary was awarded.

4.5   Bursary Recipients by Ethnicity

This shows the breakdown of bursary recipients by their stated ethnicity. Any ethnic category with fewer than 5 responses is shown as * to avoid possible identification of individuals.

Ethnicity	% of recipients
White (Scottish)	69%
White (Other)	9%
White (English)	8%
Asian (Pakistani)	*
Asian (Chinese)	*
Asian (Indian)	*
Black (African)	*
Declined to Answer	4%
Mixed Background	*
Other Ethnic Background	*
White (Northern Irish)	*
White (Irish)	*

Source: Skills Development Scotland

To provide more clarity on the breakdown of recipients from different ethnic groups the responses were
- White (Scottish, English, Irish, Northern Irish, Welsh, Other) 89%
- Black, Asian and Mixed (Indian, Pakistani, Chinese, African, mixed background, other ethnic background) 6.5%

4.6   Bursary recipients by Disability

The breakdown of bursary recipients by stated disability and gender.

	Disability	Total
1	No	128
2	Prefer not to say	2
3	Yes	7
	Grand Summary:	**137**

Source:Skills Development Scotland

4.7   Bursary Recipients by Age

The age profile of bursary recipients.

	Age Band	
1	20 to 24	1
2	25 to 40	105
3	41 to 50	24
4	51 to 54	4
5	55 to 64	3
	Grand Summary:	**137**

Source:Skills Development Scotland

5. Considerations in preparation for Year 5

- Consideration on any changes to academic entry requirements
- Consideration to those who have been in full time education in the last three years being eligible
- To consider what employment evidence is required to demonstrate eligibility
- When to set closing date