

Package ‘g4sr’

September 7, 2021

Type Package

Title Go4Schools API Wrapper

Version 0.5.22

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Description An API wrapper for Go4Schools. Allows you to manage your school data.
Authentication is required for all requests. See your school's
administrator for an API key.

License GPLv3

URL <https://github.com/afsarchowdhury/g4sr>

BugReports <https://github.com/afsarchowdhury/g4sr/issues>

Encoding UTF-8

LazyData true

Imports crayon,
data.table,
dplyr,
ggplot2,
glue,
httr,
jsonlite,
lubridate,
magrittr,
tidyr

RoxygenNote 7.1.1

Roxygen list(markdown = TRUE)

Suggests testthat,
knitr,
rmarkdown

VignetteBuilder knitr

R topics documented:

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<code>gfs_assessment_markbooks</code>	<i>Get markbooks.</i>
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Description

Returns the structure of markbooks in the chosen academic year, in terms of the marksheets they contain, and the markslots within each marksheet.

Usage

```
gfs_assessment_markbooks(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_assessment_markbooks(2020)
```

<code>gfs_assessment_marks</code>	<i>Get marks.</i>
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Description

Returns details of the marks achieved by students for individual marks.

- Use `gfs_assessment_markbooks()` to resolve markbooks.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_assessment_marks(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_assessment_marks(2020)
```

gfs_assessment_marksheets
Get marksheets.

Description

Returns details of the grades achieved by students for individual marksheets.

- Use `gfs_assessment_markbooks()` to resolve markbooks.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_assessment_marksheets(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_assessment_marksheet_grades(2020)
```

gfs_attainment_exam_results
Get exam results.

Description

Returns details of the exam results achieved by students.

- Use `gfs_student_details()` to resolve student personal details.
- Use `gfs_teaching_subjects()` to resolve subject details.

Usage

```
gfs_attainment_exam_results(academicYear, yearGroup)
```

Arguments

`academicYear` academic year as integer.
`yearGroup` year group as string.

Examples

```
gfs_attainment_exam_results(2020, "11")
```

`gfs_attainment_grades` *Get grades.*

Description

Returns details of the headline grades for students.

- Use `gfs_attainment_grade_types()` to resolve grade names.
- Use `gfs_student_details()` to resolve student personal details.
- Use `gfs_teaching_subjects()` to resolve subject details.

Usage

```
gfs_attainment_grades(academicYear, yearGroup)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>yearGroup</code>	year group as string.

Examples

```
gfs_attainment_grades(2020, "11")
```

`gfs_attainment_grade_types`
Get grade types.

Description

Returns details of the available types of headline grades.

Usage

```
gfs_attainment_grade_types(academicYear, yearGroup)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>yearGroup</code>	year group as string.

Examples

```
gfs_attainment_grade_types(2020, "11")
```

`gfs_attainment_prior` *Get prior attainment.*

Description

Returns prior attainment for students.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_attainment_prior(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_attainment_prior(2020)
```

`gfs_attendance_codes` *Get attendance codes.*

Description

Returns the Attendance codes and any aliases being used for the academic year.

Usage

```
gfs_attendance_codes(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_attendance_codes(2020)
```

gfs_attendance_student_lesson_marks
Get student lesson marks.

Description

Returns lesson attendance details for a particular date.

- Use gfs_attendance_codes to resolve attendance codes.
- Use gfs_student_details() to resolve student personal details.
- Use gfs_classes() to resolve timetabled classes.

Usage

```
gfs_attendance_student_lesson_marks(academicYear, goDate)
```

Arguments

academicYear	academic year as integer.
goDate	date as string in the form yyyy-mm-dd.

Examples

```
gfs_attendance_student_lesson_marks(2020, "2020-07-01")
```

gfs_attendance_student_session_marks
Get student session marks.

Description

Returns session attendance details for a particular date.

- Use gfs_attendance_codes to resolve attendance codes.
- Use gfs_student_details() to resolve student personal details.

Usage

```
gfs_attendance_student_session_marks(academicYear, goDate)
```

Arguments

academicYear	academic year as integer.
goDate	date as string in the form yyyy-mm-dd.

Examples

```
gfs_attendance_student_session_marks(2020, "2020-07-01")
```

```
gfs_attendance_student_summary
```

Get student attendance summary.

Description

Returns summary session data for all students for the academic year up to (but not including) today.

- Use `gfs_attendance_codes` to resolve attendance codes.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_attendance_student_summary(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_attendance_student_summary(2020)
```

```
gfs_behaviour_classification
```

Get classifications.

Description

Returns the current behaviour classification groups for the supplied academic year.

Usage

```
gfs_behaviour_classification(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_behaviour_classification(2020)
```

`gfs_behaviour_events` *Get events.*

Description

Returns lists of events for a particular date within an academic year.

- Use `gfs_behaviour_event_types()` to resolve event characteristics.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_behaviour_events(academicYear, goDate)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDate</code>	date as string in the form yyyy-mm-dd.

Examples

```
gfs_behaviour_events(2020, "2020-03-19")
```

`gfs_behaviour_events_range`
Get events over a range of dates.

Description

Returns list of events over a range of dates within an academic year.

- Use `gfs_behaviour_event_types()` to resolve event characteristics.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_behaviour_events_range(academicYear, goDateStart, goDateEnd)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.

Examples

```
gfs_behaviour_events_range(2020, "2020-03-16", "2020-03-19")
```

gfs_behaviour_event_types
Get event types.

Description

Returns the current definition of the behaviour types for the supplied academic year.

Usage

```
gfs_behaviour_event_types(academicYear)
```

Arguments

academicYear academic year as integer.

Examples

```
gfs_behaviour_event_types(2020)
```

gfs_behaviour_followup
Get follow-up actions.

Description

Returns the current definitions for follow up behaviour actions for the supplied academic year.

Usage

```
gfs_behaviour_followup(academicYear)
```

Arguments

academicYear academic year as integer.

Examples

```
gfs_behaviour_followup(2020)
```

`gfs_behaviour_immediate`*Get immediate actions.*

Description

Returns the current definitions for immediate behaviour actions for the supplied academic year.

Usage

```
gfs_behaviour_immediate(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_behaviour_immediate(2020)
```

`gfs_calendar`*Get calendar.*

Description

Returns details of when the school is open, closed or open for staff training only in the chosen academic year.

- Use `gfs_timetables()` to resolve date, week, and period details.

Usage

```
gfs_calendar(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_calendar(2020)
```

gfs_classes	<i>Get classes.</i>
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Description

Returns details of all timetabled classes in the chosen academic year.

- Use `gfs_timetables()` to resolve date, week, and period details.
- Use `gfs_teaching_teachers()` to resolve teacher details.

Usage

```
gfs_classes(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_classes(2020)
```

gfs_clean_attainment	<i>Get clean attainment data.</i>
----------------------	-----------------------------------

Description

Returns clean details of attainment in the chosen academic year for chosen year group.

Usage

```
gfs_clean_attainment(academicYear, yearGroup)
```

Arguments

`academicYear` academic year as integer.
`yearGroup` year group as string.

Examples

```
gfs_clean_attainment(2020, "10")
```

`gfs_clean_attainment_multiple`*Get clean attainment data for multiple year groups.*

Description

Returns clean details of attainment in the chosen academic year for multiple year groups.

Usage

```
gfs_clean_attainment_multiple(  
  academicYear,  
  yearGroupFrom = "7",  
  yearGroupTo = "11"  
)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>yearGroupFrom</code>	starting year group as string. Defaults to "7".
<code>yearGroupTo</code>	ending year group as string. Defaults to "11".

Examples

```
gfs_clean_attainment_multiple(2021, "7", "11")
```

`gfs_clean_attendance_student_lesson`*Get clean student lesson marks.*

Description

Returns clean details of student lesson marks for chosen academic year and date.

Usage

```
gfs_clean_attendance_student_lesson(academicYear, goDate)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDate</code>	date as string in the form yyyy-mm-dd.

Examples

```
gfs_clean_attendance_student_lesson(2020, "2020-07-01")
```

`gfs_clean_attendance_student_lesson_range`*Get clean student lesson marks over a range of dates.*

Description

Returns clean student lesson marks over a range of dates for chosen academic year.

Usage

```
gfs_clean_attendance_student_lesson_range(academicYear, goDateStart, goDateEnd)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.

Examples

```
gfs_clean_attendance_student_lesson_range(2021, "2021-07-12", "2021-07-16")
```

`gfs_clean_attendance_student_session`*Get clean student session marks.*

Description

Returns clean details of student session marks for chosen academic year, date, and session.

Usage

```
gfs_clean_attendance_student_session(academicYear, goDate, session = NULL)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDate</code>	date as string in the form yyyy-mm-dd.
<code>session</code>	session as string.

Examples

```
gfs_clean_attendance_student_session(2020, "2020-07-01")  
gfs_clean_attendance_student_session(2020, "2020-07-01", "am")
```

`gfs_clean_attendance_student_session_range`*Get clean student session marks over a range of dates.*

Description

Returns clean student session marks over a range of dates for chosen academic year.

Usage

```
gfs_clean_attendance_student_session_range(  
    academicYear,  
    goDateStart,  
    goDateEnd,  
    session = NULL  
)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>goDateStart</code>	start date of range as string in the form yyyy-mm-dd.
<code>goDateEnd</code>	end date of range as string in the form yyyy-mm-dd.
<code>session</code>	session as string.

Examples

```
gfs_clean_attendance_student_session_range(2021, "2021-07-12", "2021-07-16")  
gfs_clean_attendance_student_session_range(2021, "2021-07-12", "2021-07-16", session = "am")
```

`gfs_clean_attendance_student_summary`*Get clean student attendance summary.*

Description

Returns clean details of student attendance summary for chosen academic year.

Usage

```
gfs_clean_attendance_student_summary(academicYear)
```

Arguments

<code>academicYear</code>	academic year as integer.
---------------------------	---------------------------

Examples

```
gfs_clean_attendance_student_summary(2020)
```

```
gfs_clean_behaviour_events_range
```

Get clean behaviour events.

Description

Returns clean behaviour events over a range of dates within in the chosen academic year.

Usage

```
gfs_clean_behaviour_events_range(academicYear, goDateStart, goDateEnd)
```

Arguments

academicYear	academic year as integer.
goDateStart	start date of range as string in the form yyyy-mm-dd.
goDateEnd	end date of range as string in the form yyyy-mm-dd.

Examples

```
gfs_clean_behaviour_events_range(2021, "2021-07-12", "2021-07-16")
```

```
gfs_clean_class_list_student
```

Get student-focused class list.

Description

Returns clean details of all classes in the chosen academic year for chosen student.

Usage

```
gfs_clean_class_list_student(academicYear, student)
```

Arguments

academicYear	academic year as integer.
student	student search string.

Examples

```
gfs_class_list_student(2020, "smith")
```

`gfs_clean_class_list_teacher`*Get teacher-focused class list.*

Description

Returns clean details of all classes in the chosen academic year for chosen staff. If staff code is not provided, class list for all staff are returned.

Usage

```
gfs_clean_class_list_teacher(  
    academicYear,  
    staffCode = NULL,  
    yearGroupFrom = "7",  
    yearGroupTo = "11"  
)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>staffCode</code>	case-sensitive staff code as string.
<code>yearGroupFrom</code>	starting year group as string. Defaults to "7".
<code>yearGroupTo</code>	ending year group as string. Defaults to "11".

Examples

```
gfs_clean_class_list_teacher(2020, "ACH")  
gfs_clean_class_list_teacher(2020)
```

`gfs_clean_exam_results`*Get clean external examination results.*

Description

Returns clean details of external examination results in the chosen academic year for chosen year group.

Usage

```
gfs_clean_exam_results(academicYear, yearGroup, type = NULL)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>yearGroup</code>	year group as string.
<code>type</code>	qualification type as string.

Examples

```
gfs_clean_exam_results(2020, "11")  
gfs_clean_exam_results(2020, "11", type = "gcse")  
gfs_clean_exam_results(2020, "11", type = c("gcse", "btec"))
```

```
gfs_clean_school_population
```

Get clean school population data.

Description

Returns clean details of school population for all available academic years, along with a line plot.

Usage

```
gfs_clean_school_population()
```

Examples

```
gfs_clean_school_population()
```

```
gfs_clean_student_details_general
```

Get clean general student details.

Description

Returns clean general student details for chosen academic year.

Usage

```
gfs_clean_student_details_general(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_clean_student_details_general(2021)
```

gfs_clean_student_send_search
Get clean SEND notes search.

Description

Returns clean student details based on SEND notes search for chosen academic year.

Usage

```
gfs_clean_student_send_search(academicYear, notesSearch)
```

Arguments

academicYear notesSearch as string.

Examples

```
gfs_clean_student_send_search(2021, "extra time")  
gfs_clean_student_send_search(2021, "irlen")
```

gfs_contacts_parental *Get parental contacts.*

Description

Returns details of parental contacts for students.

Usage

```
gfs_contacts_parental()
```

gfs_reports *Get reports.*

Description

Returns details of available progress reports in the chosen academic year, including the grades and attributes associated with each set of reports.

Usage

```
gfs_reports(academicYear)
```

Arguments

academicYear academic year as integer.

Examples

```
gfs_reports(2021)
```

`gfs_reports_attributes`*Get report attributes.*

Description

Returns attributes for students in chosen academic year and report.

- Use `gfs_reports` to resolve name and points value for an attribute choice for the student.
- Use `gfs_teaching_subjects()` to resolve subject details.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_reports_attributes(academicYear, reportID)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>reportID</code>	report ID as integer.

Examples

```
gfs_reports_attributes(2021, 57102)
```

`gfs_reports_comments` *Get report comments*

Description

Returns comments for students in chosen academic year and report.

- Use `gfs_reports` to resolve name and points value for an attribute choice for the student.
- Use `gfs_teaching_subjects()` to resolve subject details.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_reports_comments(academicYear, reportID)
```

Arguments

<code>academicYear</code>	academic year as integer.
<code>reportID</code>	report ID as integer.

Examples

```
gfs_reports_comments(2021, 57102)
```

gfs_reports_grades	<i>Get report grades</i>
--------------------	--------------------------

Description

Returns grades for students in chosen academic year and report.

- Use gfs_reports to resolve name and points value for an attribute choice for the student.
- Use gfs_teaching_subjects() to resolve subject details.
- Use gfs_student_details() to resolve student personal details.

Usage

```
gfs_reports_grades(academicYear, reportID)
```

Arguments

academicYear	academic year as integer.
reportID	report ID as integer.

Examples

```
gfs_reports_grades(2021, 57102)
```

gfs_school	<i>Get school details.</i>
------------	----------------------------

Description

Returns details of the school and the available academic years.

Usage

```
gfs_school()
```

gfs_setup	<i>Run set up for gfs functions.</i>
-----------	--------------------------------------

Description

Use this function to store your API key for use with gfs functions. Authentication is required for all requests. See your school's administrator for an API key.

Usage

```
gfs_setup(api_key)
```

Arguments

api_key	API key as string.
---------	--------------------

Examples

```
gfs_setup("a96650481f0245eea396726f85ac7049")
```

gfs_student_classes	<i>Get student classes.</i>
---------------------	-----------------------------

Description

Returns details of which students are linked to which timetabled classes in the chosen academic year.

- Use gfs_classes() to resolve class details.
- Use gfs_student_details() to resolve student personal details.

Usage

```
gfs_student_classes(academicYear)
```

Arguments

academicYear	academic year as integer.
--------------	---------------------------

Examples

```
gfs_student_classes(2020)
```

`gfs_student_demographics`*Get demographic attributes.*

Description

Returns the following attributes for students for the chosen academic year: country of birth, home language, first language, and nationality.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_student_demographics(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_demographics(2020)
```

`gfs_student_details`*Get students details.*

Description

Returns the current personal details (DOB, gender, names) of the students that were at school in the chosen academic year.

Usage

```
gfs_student_details(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_details(2020)
```

`gfs_student_edu_details`*Get education details.*

Description

Returns education details for students.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_student_edu_details(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_edu_details(2020)
```

`gfs_student_general`*Get general attributes.*

Description

Returns general student attributes for the chosen academic year. This will include all custom attributes and also system attributes not returned by other endpoints.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_student_general(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_general(2020)
```

gfs_student_medical	<i>Get student medical conditions.</i>
---------------------	--

Description

Returns medical conditions for students.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_student_medical(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_medical(2020)
```

gfs_student_send	<i>Get SEND attributes.</i>
------------------	-----------------------------

Description

Returns the following attributes for students for the chosen academic year: SEN code, SEN status, educational needs, gifted/talented, gifted/talented subject.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_student_send(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_send(2020)
```

`gfs_student_sensitive` *Get sensitive attributes.*

Description

Returns the following attributes for students for the chosen academic year: FSM, FSMEver6, EAL, disadvantaged, ethnicity, ethnicity code, ever in care, looked after, pupil premium indicator, service child, traveller type.

- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_student_sensitive(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_student_sensitive(2020)
```

`gfs_teaching_departments`
Get departments.

Description

Returns details of departments in the chosen academic year.

Usage

```
gfs_teaching_departments(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_teaching_departments(2020)
```

`gfs_teaching_groups` *Get groups.*

Description

Returns details of teaching groups for each subject in the chosen academic year.

- Use `gfs_teaching_subjects()` to resolve subject details.

Usage

```
gfs_teaching_groups(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_teaching_groups(2020)
```

`gfs_teaching_groups_students`
 Get groups and students.

Description

Returns details of the students in each teaching group in the chosen academic year.

- Use `gfs_teaching_groups()` to resolve group details.
- Use `gfs_student_details()` to resolve student personal details.

Usage

```
gfs_teaching_groups_students(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_teaching_groups_students(2020)
```

`gfs_teaching_groups_teachers`*Get groups and teachers.*

Description

Returns details of teachers assigned to each teaching group in the chosen academic year.

- Use `gfs_teaching_groups()` to resolve group details.
- Use `gfs_teaching_teachers()` to resolve teacher details.

Usage

```
gfs_teaching_groups_teachers(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_teaching_groups_teachers(2020)
```

`gfs_teaching_subjects` *Get subjects.*

Description

Returns all subjects in the chosen academic year.

- Use `gfs_teaching_departments()` to resolve department details.

Usage

```
gfs_teaching_subjects(academicYear)
```

Arguments

`academicYear` academic year as integer.

Examples

```
gfs_teaching_subjects(2020)
```

gfs_teaching_teachers *Get teachers.*

Description

Returns details of the teachers in the chosen academic year.

Usage

gfs_teaching_teachers(academicYear)

Arguments

academicYear academic year as integer.

Examples

gfs_teaching_teachers(2020)

gfs_timetables *Get timetables.*

Description

Returns details of the timetables and their associated periods for the chosen academic year.

Usage

gfs_timetables(academicYear)

Arguments

academicYear academic year as integer.

Examples

gfs_timetables(2020)

gfs_users_parent *Get parents.*

Description

Returns details of parent user accounts.

Usage

gfs_users_parent()

gfs_users_staff	<i>Get staff.</i>
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Description

Returns details of staff user accounts.

Usage

```
gfs_users_staff()
```

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