Package 'g4sr'

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Type Package
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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.
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gfs_a	ssessment_markbooks Get markbooks.	

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)
```

```
gfs_assessment_marks Get marks.
```

Description

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

- $\bullet \ \ Use \ {\tt gfs_assessment_markbooks()} \ to \ resolve \ markbooks.$
- Use gfs_student_details() to resolve student personal details.

Usage

```
gfs_assessment_marks(academicYear)
```

Arguments

```
academicYear academic year as integer.
```

```
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

```
{\tt gfs\_attainment\_exam\_results(academicYear, yearGroup)}
```

Arguments

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

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

gfs_attainment_grades 5

```
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

```
academicYear academic year as integer.
yearGroup 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

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

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

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```
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.
```

```
gfs_attendance_codes(2020)
```

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")
```

```
\begin{tabular}{ll} $\tt gfs\_attendance\_student\_session\_marks. \\ $\tt \textit{Get student session marks}. \end{tabular}
```

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.
```

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

```
\label{lem:gfs_attendance_student_summary} Get \ student \ attendance \ summary.
```

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)
```

```
{\it gfs\_behaviour\_classification} \\ {\it 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.
```

```
gfs_behaviour_classification(2020)
```

gfs_behaviour_events 9

```
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

```
academicYear academic year as integer.

goDate 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

```
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.

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

```
gfs_behaviour_event_types
Get event types.
```

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.
```

```
gfs_behaviour_followup(2020)
```

```
{\tt 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.
```

```
gfs_calendar(2020)
```

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gfs_classes

Get classes.

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 Get clean attainment data.
```

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.
```

```
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

```
academicYear academic year as integer.

yearGroupFrom starting year group as string. Defaults to "7".

yearGroupTo ending year group as string. Defaults to "11".
```

Examples

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

Description

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

Usage

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

Arguments

```
academicYear academic year as integer.

goDate date as string in the form yyyy-mm-dd.
```

```
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

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_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

academicYear academic year as integer.

goDate date as string in the form yyyy-mm-dd.

session session as string.

```
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.
```

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

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.

session 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

```
academicYear academic year as integer.
```

```
{\tt gfs\_clean\_attendance\_student\_summary(2020)}
```

```
gfs_clean_behaviour_events_range

Get clean behaviour events.
```

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.

```
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

```
academicYear academic year as integer.

staffCode case-sensitive staff code as string.

yearGroupFrom starting year group as string. Defaults to "7".

yearGroupTo 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

```
academicYear academic year as integer.

yearGroup year group as string.

type 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.
```

```
gfs_clean_student_details_general(2021)
```

```
{\tt 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.
```

```
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

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

Examples

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

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

```
{\tt gfs\_reports\_comments(academicYear, reportID)}
```

Arguments

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

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

gfs_reports_grades 21

gfs_reports_grades Get report grades

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

Get school details.

Description

Returns details of the school and the available academic years.

Usage

```
gfs_school()
```

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gfs_setup

Run set up for gfs functions.

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

Get student classes.

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 academ
```

academic year as integer.

```
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.
```

```
gfs_student_details(2020)
```

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```
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.
```

```
gfs_student_general(2020)
```

gfs_student_medical 25

gfs_student_medical Get

Get student medical conditions.

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)
```

 ${\sf gfs_student_send}$

Get SEND attributes.

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.
```

```
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.
```

```
gfs_teaching_departments(2020)
```

gfs_teaching_groups 27

```
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)
```

```
{\tt 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.
```

```
gfs_teaching_groups_students(2020)
```

```
gfs_teaching_groups_teachers
Get groups and teachers.
```

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.
```

```
gfs_teaching_subjects(2020)
```

gfs_teaching_teachers 29

```
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

```
{\sf gfs\_timetables(academicYear)}
```

Arguments

```
academicYear academic year as integer.
```

Examples

```
gfs_timetables(2020)
```

 ${\tt gfs_users_parent}$

Get parents.

Description

Returns details of parent user accounts.

Usage

```
gfs_users_parent()
```

30 gfs_users_staff

gfs_users_staff Get staff.

Description

Returns details of staff user accounts.

Usage

gfs_users_staff()

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