Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

schooltool.com

school**tool**
API Documentation

Contents

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

> schooltool.com

Change Log

The following represents a brief summary of changes to the schooltool API, including new fields, modifications to existing fields, and a list of deprecated fields.

Version 13.3:

Change Type	Date	Object	Field	Note
New Object	Jan 2016	ProgramService /IEP/Student /504/Student	(all)	New object with associated calls (GET, POST, PUT, and DELETE) to allow API users to manage students' IEP and 504 records.
Modified Documentation	Dec 2015	Staff	LastOrSurname (LastName)	Updated documentation to properly reflect the field name as "LastName" rather than "LastOrSurname" (no change to functionality)
Modified Documentation	Dec 2015	Student	LastOrSurname (LastName)	Updated documentation to properly reflect the field name as "LastName" rather than "LastOrSurname" (no change to functionality)
New Fields	Dec 2015	Student	AddressTypeForLearnerOrFamily AddressStreetNumberAndName AddressApartmentRoomOrSuiteNumber AddressCity StateAbbreviation AddressPostalCode AddressCountyName CountryCode TelephoneNumberType PrimaryTelephoneNumberIndicator TelephoneNumber Homeroom CohortGraduationYear GPACumulativeWeighted GPACumulativeUnweighted GPACumulativeInProgressWeighted GPACumulativeInProgressUnweighted GPAGivenSession HighSchoolStudentClassRankWeighted HighSchoolStudentClassRankUnweighted HighSchoolStudentClassRankInProgressWeighted HighSchoolStudentClassRankInProgressUnweighted LanguageType LanguageCode	New fields to retrieve additional student information, including address and phone number data, enrollment information, and GPA data for the current year.
New Fields	Dec 2015	ClassSection	StudentFirstName StudentLastName TimetableDayIdentifier ClassMeetingDays RoomNumber StartingPeriod EndingPeriod SchoolYear StaffMemberFirstName StaffMemberLastName	New fields to retrieve additional information about course sections, including student names, staff names, and meeting patterns.

schooltool API Documentation
schooltool v13.3

Page 3 of 57

Modified 02/24/2016
Confidential

© 2014-2016 Mindex Technologies, Inc.

			AddressCountryCode	
New Fields	Dec 2015	School	AddressTypeForOrganization InstitutionTelephoneNumberType PrimaryTelephoneNumberIndicator TelephoneNumber	New fields to retrieve additional address and phone number data for individual schools.
New Field	Dec 2015	Course	CourseDescription	New field to return course description for each course.
New Field	Dec 2015	Calendar	SessionType	New field to return session type for each marking period.

Version 12.2:

Change Type	Date	Object	Field	Note
Modified Field	Apr 2015	ImportGradeBookAssignment	ImportGradeBookAssignmentSystemIdentifier	Updated the ImportGradeBookAssignment POST to accept ImportGradeBookAssignmentSystemIdentifier values in POST requests (used to identify previously imported assignments when sending updated assignment details)
Modified Documentation	Feb 2015	Student	UserName	Updated the documentation to correctly describe the returned data as an array (no change to functionality)
Modified Documentation	Feb 2015	Staff	UserName	Updated the documentation to correctly describe the returned data as an array (no change to functionality)
Modified Documentation	Feb 2015	ClassSection	SessionCode	Updated the documentation to correctly describe the returned data as an array (no change to functionality)

Version 12.1:

Change Type	Date	Object	Field	Note
Modified Field	Dec 2014	ClassSection	SessionEndDate	Updated the field to return the last date of the last semester during which the course meets (rather than the last date of the first semester)
New Field	Nov 2014	School	SchoolSystemIdentifier	New field to return unique system IDs
New Field	Nov 2014	Calendar	SchoolSystemIdentifier	New field to return unique system IDs
New Fields	Nov 2014	Student	StudentSystemIdentifier PersonSystemIdentifier SchoolSystemIdentifier	New fields to return unique system IDs
New Fields	Nov 2014	Course	CourseSystemIdentifier SchoolSystemIdentifier	New fields to return unique system IDs
New Fields	Nov 2014	Staff	StaffSystemIdentifier PersonSystemIdentifier SchoolSystemIdentifier	New fields to return unique system IDs
New Fields	Nov 2014	ClassSection	StudentSystemIdentifier ClassSectionSystemIdentifier CourseSystemIdentifier SchoolSystemIdentifier StaffSystemIdentifier	New fields to return unique system IDs

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

New Object	Nov 2014	ImportGradeBookAssignment	(all)	New object and associated fields; used to send assignment data via POST
New Object	Nov 2014	ImportGradeBookAssignmentScores	(all)	New object and associated fields; used to send assignment scores via POST
Deprecated Field	Nov 2014	School	SchoolIdentifier ("Other" type)	Returns the same value as SchoolSystemIdentifier and will be removed in a future release; use SchoolSystemIdentifier to return "Other" (internal) ID data for schools
Deprecated Field	Nov 2014	Calendar	SchoolIdentifier	Returns the same value as SchoolSystemIdentifier and will be removed in a future release; use SchoolSystemIdentifier to return internal ID data for schools
Deprecated Field	Nov 2014	Student	StudentIdentifier ("Other" type)	Returns the same value as StudentSystemIdentifier and will be removed in a future release; use StudentSystemIdentifier to return "Other" (internal) ID data for students
Deprecated Field	Nov 2014	Student	StudentIdentificationSystem ("Other" type)	"Other" type is used to return the same value as StudentSystemIdentifier and will be removed in a future release; use StudentSystemIdentifier to return "Other" (internal) ID data for students
Deprecated Field	Nov 2014	Student	PersonIdentifier	Returns the same value as PersonSystemIdentifier and will be removed in a future release; use PersonSystemIdentifier to return internal ID data for person records
Deprecated Field	Nov 2014	Course	CourseIdentifier ("Other" type)	Returns the same value as CourseSystemIdentifier and will be removed in a future release; use CourseSystemIdentifier to return "Other" (internal) ID data for courses
Deprecated Field	Nov 2014	Course	CourseCodeSystem ("Other" type)	"Other" type is used to return the same value as CourseSystemIdentifier and will be removed in a future release; use CourseSystemIdentifier to return "Other" (internal) ID data for courses
Deprecated Field	Nov 2014	Course	SchoolIdentifier	Returns the same value as SchoolSystemIdentifier and will be removed in a future release; use SchoolSystemIdentifier to return internal ID data for schools
Deprecated Field	Nov 2014	Staff	StaffMemberIdentifier ("Other" type)	Returns the same value as StaffSystemIdentifier and will be removed in a future release; use StaffSystemIdentifier to return "Other" (internal) ID data for faculty
Deprecated Field	Nov 2014	Staff	StaffMemberIdentificationSystem ("Other" type)	"Other" type is used to return the same value as StaffSystemIdentifier and will be removed in a future release; use StaffSystemIdentifier to return "Other" (internal) ID data for faculty
Deprecated Field	Nov 2014	Staff	PersonIdentifier	Returns the same value as PersonSystemIdentifier and will be removed in a future release; use

schooltool API Documentation
schooltool v13.3

Page 5 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

				PersonSystemIdentifier to return internal ID data for person records
Deprecated Field	Nov 2014	Staff	SchoolIdentifier	Returns the same value as SchoolSystemIdentifier and will be removed in a future release; use SchoolSystemIdentifier to return internal ID data for schools
Deprecated Field	Nov 2014	ClassSection	CourseIdentifier	Returns the same value as CourseSystemIdentifier and will be removed in a future release; use CourseSystemIdentifier to return internal ID data for courses
Deprecated Field	Nov 2014	ClassSection	SchoolIdentifier	Returns the same value as SchoolSystemIdentifier and will be removed in a future release; use SchoolSystemIdentifier to return internal ID data for schools
Deprecated Field	Nov 2014	ClassSection	StaffMemberIdentifier	Returns the same value as StaffSystemIdentifier and will be removed in a future release; use StaffSystemIdentifier to return internal ID data for faculty
Deprecated Field	Nov 2014	ClassSection	StaffMemberIdentificationSystem ("Other" type)	"Other" type is used to return the same value as StaffSystemIdentifier and will be removed in a future release; use StaffSystemIdentifier to return "Other" (internal) ID data for faculty

schooltool API Documentation
schooltool v13.3
Page 6 of 57
© 2014-2016 Mindex Technologies, Inc.
Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

API Basics

Authentication

Before attempting to interface with school**tool**, the district must configure school**tool** to allow communication via the API. Permission to use individual API calls is controlled by district settings within school**tool**. Once API communication is enabled, the district will define an alphanumeric token which should be used to authenticate integration with school**tool**.

Authentication is performed over HTTPS using an authorization header which must include 2 pieces of information:

- the scheme, which should always be "`schooltool`"

and

- the authorization token provided by school**tool**

  Example:

  ```
  Authorization: schooltool 4243590
  ```

Request Guidelines

- Dates use the ISO 8601 standard, which includes the following formats:

  - `YYYY-MM-DD`

  - `YYYY-MM-DD HH:mm:ss`

- Content type:

  - GET requests can return data in either JSON or XML (refer to the Format section for details on setting the `format` parameter).

  - POST and PUT requests support JSON only (headers should include `content-type=application/json` for these requests).

- SystemIdentifier fields are unique IDs that are guaranteed to be unique and will not change. SystemIdentifier fields are always integers. These IDs can be used to communicate with the API and to cross-reference data retrieved from other GETs. At a minimum, each GET includes a SystemIdentifier that is named after the GET (e.g., the School GET returns a `SchoolSystemIdentifier` field for each school).

  Note: SystemIdentifier fields are a recent addition to the previously existing GETs. In some cases, other similarly named fields may return the same data. Those other fields are indicated in the Object descriptions, as they will be removed in a future release and should no longer be used. Refer to the Change Log for a list of field changes.

school**tool** API Documentation
school**tool** v13.3

Page 7 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▸ schooltool.com

Optional Parameters

API calls support optional parameters to specify response format, paging options, and filters. To enter parameters, use a question mark (?) followed by the parameter and associated variable (parameter=*value*) at the end of the URL.

Users may specify multiple parameters in a single URL by separating each parameter with an ampersand (&).

Example:

/**ClassSection**?pageNumber=2&pageSize=20&**SchoolSystemIdentifier**=3&format=xml

Format

All GET responses are returned in JSON by default, but users may specify either JSON or XML using the format parameter.

- format=*value*

    Example:

    /**ClassSection**?format=xml

    This will return the response in XML format, rather than in JSON.

Paging Options

GET requests support paging through the use of the PageNumber and PageSize parameters.

- PageNumber=*value* (page number to return)

- PageSize=*value*   (number of records returned per page)

    Example:

    /**ClassSection**?pageNumber=2&pageSize=20

    This will return items 20-39.

 Note: When selecting a page number beyond the range of actual results, an empty response will be returned.

Filtering

The school**tool** API supports filtering for GETs. The SchoolSystemIdentifier field can be used to filter data by school. Possible values for the SchoolSystemIdentifier can be obtained by using the School GET. After obtaining the appropriate value, simply enter it in the URL as the variable for the SchoolSystemIdentifier parameter.

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

- `SchoolSystemIdentifier=value`

Example:

```
/ClassSection?SchoolSystemIdentifier=3
```

This will return data for only those class sections that are in the school whose `SchoolSystemIdentifer` *is equal to 3.*

Error Codes

The school**tool** API uses HTTP response codes to indicate success or failure of an API request. In general, codes that begin with a 2 indicate success, while codes beginning with 4 or 5 indicate a failure of some sort. If you receive an error code, please review the response returned and modify your request before attempting the request again.

Code	Content
200	OK
201	Created (returned as confirmation of a POST)
204	No Content
207	MultiStatus (returned as confirmation of a POST where some records were processed successfully but others had an error; each record will have its own status code to indicate success or failure)
400	Bad Request
403	Forbidden
404	Not Found
500	Internal server error

In addition to these basic success or failure codes, the school**tool** API may also return addition error messages relevant to the specific API request (for example, an error may be returned indicating a required field was missing from the request, or that no records matched a specified SystemIdentifier).

school**tool** API Documentation
school**tool** v13.3

Page 9 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ school**tool**.com

Examples

Using GETs to Obtain Data

Retrieving Information

Step 1: Obtain your school**tool** token and host URL from the district to use in the authorization header.

Example:

URL: `https://district.com/site/webapi.mvc`

Token: `123456`

Step 2: Write one or more GETs to retrieve data from the system, using the appropriate authorization headers and any optional parameters.

Example:

Path: `GET https://district.com/site/webapi.mvc/School`

> *Returns results for all schools.*

Response:

```
[{
    "SchoolSystemIdentifier": 2,
    "Identification": [{
        "SchoolIdentifier": "2",
        "NameOfInstitution": "Mindex HS / High School",
        "SchoolIdentificationSystem": "Other"
    }, {
        "SchoolIdentifier": "010100010011",
        "NameOfInstitution": "MINDEX HS",
        "SchoolIdentificationSystem": "SEA"
    }],
    "Address": {
        "AddressStreetNumberAndName": "17 SchoolZone Avenue",
        "AddressApartmentRoomOrSuiteNumber": "High School Post",
        "AddressCity": "Mindex City",
        "StateAbbreviation": "NY",
        "AddressPostalCode": "12345",
        "AddressCountyName": "Monroe"
    },
    "Directory": {
        "GradesOffered": "10,11,12,14,9"
    },
    "Session": [{
        "SessionCode": 235,
        "SessionDescription": "M1 Long Name",
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

```
            "SchoolYear": "2015"
        }, {
            "SessionCode": 236,
            "SessionDescription": "M2 Long Name",
            "SchoolYear": "2015"
        }, {
            "SessionCode": 237,
            "SessionDescription": "M3 Long Name",
            "SchoolYear": "2015"
        }, {
            "SessionCode": 238,
            "SessionDescription": "M4 Long Name",
            "SchoolYear": "2015"
        }]
    }, {
        "SchoolSystemIdentifier": 3,
        "Identification": [{
            "SchoolIdentifier": "3",
            "NameOfInstitution": "Mindex MS / Middle School",
            "SchoolIdentificationSystem": "Other"
        }, {
            "SchoolIdentifier": "010100010010",
            "NameOfInstitution": "MINDEX MS",
            "SchoolIdentificationSystem": "SEA"
        }],
        "Address": {
            "AddressStreetNumberAndName": "17 SchoolZone Avenue",
            "AddressApartmentRoomOrSuiteNumber": "Mindex City, NY 12345",
            "AddressCity": "Monroe",
            "StateAbbreviation": "NY",
            "AddressPostalCode": "13316",
            "AddressCountyName": "Monroe"
        },
        "Directory": {
            "GradesOffered": "13,14,5,6,7,8"
        },
        "Session": [{
            "SessionCode": 241,
            "SessionDescription": "Marking Period 1",
            "SchoolYear": "2015"
        }, {
            "SessionCode": 242,
            "SessionDescription": "Marking Period 2",
            "SchoolYear": "2015"
        }, {
            "SessionCode": 243,
            "SessionDescription": "Marking Period 3",
            "SchoolYear": "2015"
        }, {
            "SessionCode": 244,
            "SessionDescription": "Marking Period 4",
            "SchoolYear": "2015"
        }]
    }]
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

Using SytemIdentifier Values to Cross Reference Data

Use the `SchoolSystemIdentifier` values from the previous GET to filter additional requests to retrieve data about a specific school.

Example:

Path: GET https://district.com/site/webapi.mvc/Calendar?SchoolSystemIdentifier=2

> *Returns Calendar data for the school whose* `SchoolSystemIdentifier` *is equal to 2 (in this case, this is "Mindex HS / High School")*

Result:

```
[{
    "Period": {
        "SchoolYear": "2015",
        "CalendarCode": 23,
        "SessionCode": "M1",
        "SessionDescription": "M1 Long Name",
        "SessionStartDate": "2014-09-04",
        "SessionEndDate": "2014-10-17",
        "SchoolIdentifier": 2,
        "SchoolSystemIdentifier": 2
    }
}, {
    "Period": {
        "SchoolYear": "2015",
        "CalendarCode": 23,
        "SessionCode": "M2",
        "SessionDescription": "M2 Long Name",
        "SessionStartDate": "2014-10-18",
        "SessionEndDate": "2014-12-05",
        "SchoolIdentifier": 2,
        "SchoolSystemIdentifier": 2
    }
}, {
    "Period": {
        "SchoolYear": "2015",
        "CalendarCode": 23,
        "SessionCode": "M3",
        "SessionDescription": "M3 Long Name",
        "SessionStartDate": "2014-12-06",
        "SessionEndDate": "2015-01-29",
        "SchoolIdentifier": 2,
        "SchoolSystemIdentifier": 2
    }
}, {
    "Period": {
        "SchoolYear": "2015",
        "CalendarCode": 23,
        "SessionCode": "M4",
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

```
        "SessionDescription": "M4 Long Name",
        "SessionStartDate": "2015-01-30",
        "SessionEndDate": "2015-03-19",
        "SchoolIdentifier": 2,
        "SchoolSystemIdentifier": 2
    }
}]
```

Using POSTs to Send Data

Sending New Assignments:

First, call the appropriate GET requests to obtain the SystemIdentifier for the class section for which you wish to add assignments. To send an assignment, you will need the `ClassSectionSystemIdentifier`. Then, send a POST request containing the contents of the object.

Example:

Path: POST https://mydistrict.com/mysite/webapi.mvc/ImportGradeBookAssignment/76100

> *This request submits the following new grade book assignment for the class section whose* `ClassSectionSystemIdentifier` *is equal to 76100. Assignment details are submitted in JSON in the body of the request.*

Content (JSON):

```
{
    "Name": "Homework 3",
    "Date": "2014-11-08 11:30:00",
    "Description": "Chapters 1, 2 and 4",
    "Category": "HW",
    "MaxPoints": 100
}
```

> *The response will include the new* `ImportGradeBookAssignmentSystemIdentifier` *(in this sample, the value returned is 29), which can then be used when importing assignment scores.*

Return:

```
{
    "ImportGradeBookAssignmentSystemIdentifier": 29,
    "ClassSectionSystemIdentifier": 76100,
    "Name": "Homework 3",
    "Date": "2014-11-08",
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

```
        "Description": "Chapters 1, 2 and 4",
        "Category": "HW",
        "MaxPoints": 100
    }
```

Sending Assignment Scores:

To send assignment scores you will need the `ClassSectionSystemIdentifier` and the `StudentSystemIdentifier` for each student in the section. You will also need the `ImportGradeBookAssignmentSystemIdentifier`, which is returned in the ImportGradeBookAssignment POST response (see previous example).

Example:

Path: `POST`
`https://mydistrict.com/mysite/webapi.mvc/ImportGradeBookAssignmentScores/76100`

> *This request sends the following assignment scores for the grade book assignment imported in the previous step, whose* `ImportGradeBookAssignmentSystemIdentifier` *is equal to 29.*

Content (JSON):

```
[
  {
  "ImportGradeBookAssignmentSystemIdentifier": 29,
  "StudentSystemIdentifier": 3811,
  "Score": "89"
  },
  {
  "ImportGradeBookAssignmentSystemIdentifier": 29,
  "StudentSystemIdentifier": 5174,
  "Score": "76"
  },
  {
  "ImportGradeBookAssignmentSystemIdentifier": 29,
  "StudentSystemIdentifier": 10567,
  "Score": "68"
  }
]
```

> *If the POST is successful, a confirmation or error code will be returned for each record.*
>
> *In the samples below, the first two scores were successfully sent but the third score could not be sent due to an error.*

Return:

> *Success*

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

```
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 3811,
"Score": "89",
"ResponseCode": 201,
"ResponseMessage": ""
}, {
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 5174,
"Score": "76",
"ResponseCode": 201,
"ResponseMessage": ""
}
```

Error

```
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 105699,
"Score": "68",
"ResponseCode": 404,
"ResponseMessage": "Student not found or student not enrolled in course"
}
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

› schooltool.com

Objects

The table below lists the supported objects and links to their associated details.

Object	HTTP Method	URI	Description
School	GET	/School	Returns information about all schools
		/School/{*SchoolSystemIdentifier*}	Returns information about the specified school
Calendar	GET	/Calendar	Returns information about the current school year configuration (marking periods)
ProgramService (IEP)	GET	/ProgramService/IEP/Student/{*StudentIdentifier*}	Returns information about the specified student's IEP records
	PUT	/ProgramService/IEP/Student	Creates a new IEP record for the student indicated in the request body.
	POST	/ProgramService/IEP/Student	Ends the specified IEP record for the student indicated in the request body.
	DELETE	/ProgramService/IEP/Student	Deletes the specified IEP record for the student indicated in the request body.
ProgramService (504)	GET	/ProgramService/504/Student/{*StudentIdentifier*}	Returns information about the specified student's 504 records.
	PUT	/ProgramService/504/Student	Creates a new 504 record for the student indicated in the request body.
	POST	/ProgramService/504/Student	Ends the specified 504 record for the student indicated in the request body.
	DELETE	/ProgramService/504/Student	Deletes the specified 504 record for the student indicated in the request body.
Student	GET	/Student	Returns demographic and enrollment information for all currently enrolled students
		/Student/{*StudentSystemIdentifier*}	Returns demographic and enrollment information for the specified student
Course	GET	/Course	Returns course catalog information (course names and codes) for all courses in the current year
		/Course/{*CourseSystemIdentifier*}	Returns course catalog information (course names and codes) for the selected course
Staff	GET	/Staff	Returns basic information (name, IDs, etc.) for all active staff

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ school**tool**.com

			members
		/Staff/{*StaffSystemIdentifier*}	Returns basic information (name, IDs, etc.) for the selected staff member
Class Section	GET	/ClassSection	Returns information (session information, staff assignments, and enrolled students) for all class sections in the current year
		/ClassSection/{*ClassSectionSystemIdentifier*}	Returns information (session information, staff assignments, and enrolled students) for the specified class section
Import Grade Book Assignment	POST	/ImportGradeBookAssignment/ {*ClassSectionSystemIdentifier*}	Sends grade book assignment data to school**tool** for teacher review and import (used to create new grade book assignments)
Import Grade Book Assignment Scores	POST	/ImportGradeBookAssignmentScores/ {*ClassSectionSystemIdentifier*}	Sends grade book assignment scores to school**tool** for teacher review and import (used to send student scores for assignments that have already been imported)

school**tool** API Documentation
school**tool** v13.3

Page 18 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

School

The School object contains information about all schools (or about a single school), such as school address, grades offered, and session (marking period) codes for the current school year.

Available URLs:

- `webapi.mvc/school`

- `webapi.mvc/school/{SchoolSystemIdentifier}`

Available Filters:

- `SchoolSystemIdentifier`

Fields:

Field	Type	Description
SchoolSystemIdentifier	Integer	Unique system ID for each school level
SchoolIdentifier	String	2 IDs are returned for each school: Other (internal) and SEA (state-defined) *Note*: "Other" returns the same value as SchoolSystemIdentifier. This will be removed in a future release; use SchoolSystemIdentifier instead.
NameOfInstitution	String	Name of the school. 2 are values returned; 1 for each SchoolIdentifierSystem (Other and SEA)
SchoolIdentificationSystem	String	2 values are returned for each school: Other and SEA (where SEA is the BEDS listing) *Note*: "Other" will be removed in a future release; use SchoolSystemIdentifier to obtain that data instead.
AddressStreetNumberAndName	String	Street number and name associated with the school's address (line 1)
AddressApartmentRoomOrSuiteNumber	String	Apartment number, room number, or suite number associated with the school's address (line 2)
AddressCity	String	City associated with the school's address
StateAbbreviation	String	State associated with the school's address; standard abbreviation (2-character format)
AddressPostalCode	String	Postal or zip code associated with the school's address
AddressCountyName	String	County name associated with the school's address
AddressCountryCode	String	Country code associated with the school's address (2-character format)
AddressTypeForOrganization	String	Address type for the school's address
InstitutionTelephoneNumberType	String	Telephone number type for the school's phone number
PrimaryTelephoneNumberIndicator	String	Indicator that the telephone number should be used as the principal number for the school (Yes/No)
TelephoneNumber	String	Telephone number associated with the school
GradesOffered	String	Comma list of all grades offered in the school
SessionCode	Integer	Numeric code associated with each calendar session (marking period) defined for the current school year

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

SessionDescription	String	Description (full name) associated with each calendar session (marking period) defined for the current school year.
SchoolYear	String	End year of school year (YYYY)

Path: GET https://mydistrict.com/mysite/webapi.mvc/school

Return:

```
[{
"SchoolSystemIdentifier": 2,
"Identification": [{
"SchoolIdentifier": "2",
"NameOfInstitution": "Mindex HS / High School",
"SchoolIdentificationSystem": "Other"
}, {
"SchoolIdentifier": "010100010016",
"NameOfInstitution": "MINDEX HS",
"SchoolIdentificationSystem": "SEA"
}],
"Address": {
"AddressStreetNumberAndName": "17 SchoolZone Avenue",
"AddressApartmentRoomOrSuiteNumber": "Building A",
"AddressCity": "Rochester",
"StateAbbreviation": "NY",
"AddressPostalCode": "12345",
"AddressCountyName": "Monroe",
"CountryCode": "US",
"AddressTypeForOrganization": "Physical"
},
"Telephone": {
"InstitutionTelephoneNumberType": "Main",
"PrimaryTelephoneNumberIndicator": "Yes",
"TelephoneNumber": "585-555-1212"
},
"Directory": {
"GradesOffered": "10,11,12,14,9"
},
"Session": [{
"SessionCode": 267,
"SessionDescription": "MP1",
"SchoolYear": "2016"
}, {
"SessionCode": 268,
"SessionDescription": "MP2",
"SchoolYear": "2016"
}, {
"SessionCode": 269,
"SessionDescription": "MP3",
"SchoolYear": "2016"
}, {
"SessionCode": 270,
"SessionDescription": "MP4",
"SchoolYear": "2016"
}, {
"SessionCode": 271,
```

school**tool** API Documentation
school**tool** v13.3

Page 20 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

```
"SessionDescription": "MP5",
"SchoolYear": "2016"
}, {
"SessionCode": 272,
"SessionDescription": "MP6",
"SchoolYear": "2016"
}]
}]
```

schooltool API Documentation
schooltool v13.3
Page 21 of 57
© 2014-2016 Mindex Technologies, Inc.
Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

> schooltool.com

Calendar

The Calendar object returns information about the current school year configuration (marking periods).

Available URLs:

- `webapi.mvc/calendar`

Available Filters:

- `SchoolSystemIdentifier`

Fields:

Field	Type	Description
SchoolYear	String	End year in the school year (YYYY)
CalendarCode	Integer	Numeric code representing each calendar configuration for the current school year
SessionCode	String	2-character code (short name) for each calendar session (marking period) defined for the current school year
SessionDescription	String	Description (full name) associated with each calendar session (marking period) defined for the current school year.
SessionStartDate	Date	Start date for the marking period (YYYY-MM-DD)
SessionEndDate	Date	End date for the marking period (YYYY-MM-DD)
SchoolIdentifier	Integer	Internal ID for each school level *Note: This returns the same value as SchoolSystemIdentifier. This will be removed in a future release; use SchoolSystemIdentifier instead.
SchoolSystemIdentifier	Integer	Unique system ID for each school level
SessionType	String	Type of calendar session (marking period) (e.g., Quarter, Trimester, Semester, etc.)

Path: `GET https://mydistrict.com/mysite/webapi.mvc/calendar`

Return:

```
{
    "Period": {
    "SchoolYear": "2016"
    "CalendarCode": 24
    "SessionCode": "P1"
    "SessionDescription": "MP1"
    "SessionStartDate": "2015-09-08"
    "SessionEndDate": "2015-11-13"
    "SchoolIdentifier": 6
    "SchoolSystemIdentifier": 6
    "SessionType": "Quarter"
    }-
}
```

schooltool API Documentation
schooltool v13.3

Page 23 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

Student

The Student object contains demographic and enrollment information for all currently enrolled students (or for a single student).

Available URLs:

- `webapi.mvc/student`

- `webapi.mvc/student/{StudentSystemIdentifier}`

Available Filters:

- `SchoolSystemIdentifier`

Fields:

Field	Type	Description
StudentSystemIdentifier	Integer	Unique system ID for each student (only exists for students)
PersonSystemIdentifier	Integer	Unique system ID for each individual
FirstName	String	Student's first name
MiddleName	String	Student's middle name
LastName	String	Student's last name
PersonalTitleOrPrefix	String	Student's title or prefix
StudentIdentifier	String	Student ID (local and internal). 2 IDs are returned for each school: School (local student ID) and Other (for internal ID). *__Note__: "Other" returns the same value as StudentSystemIdentifier. This will be removed in a future release; use StudentSystemIdentifier instead.*
StudentIdentificationSystem	String	2 values are returned for each school: School and Other. *__Note__: "Other" will be removed in a future release; use StudentSystemIdentifier to obtain that data instead.*
PersonIdentifier	Integer	Person ID (internal ID). *__Note__: This value is the same as the PersonSystemIdentifier. This will removed in a future release; use PersonSystemIdentifier instead.*
UserName	String	Student's schooltool username(s) (domain and/or local login); multiple usernames are presented as an array
AddressTypeForLearnerOrFamily	String	Type of address listed for the student (Physical or Mailing)
AddressStreetNumberAndName	String	Street number and name associated with the student's address (address line 1)
AddressApartmentRoomOrSuiteNumber	String	Apartment number, room number, or suite number associated with the student's address (address line 2 and Unit Number)
AddressCity	String	City associated with the student's address

schooltool API Documentation
schooltool v13.3

Page 25 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

StateAbbreviation	String	State associated with the student's address; standard abbreviation (2-character format)	
AddressPostalCode	String	Postal or zip code associated with the student's address	
AddressCountyName	String	County name associated with the student's address	
CountryCode	String	Country code associated with the student's address (2-character format)	
TelephoneNumberType	String	Student's phone number type(s) (Home, Work, Mobile, Fax, or Other)	
PrimaryTelephoneNumberIndicator	String	Indicates whether or not the telephone number is the student's primary (rank 1) phone number (Yes/No)	
TelephoneNumber	String	Student's phone number(s)	
ElectronicMailAddress	String	Student's email address(es)	
Birthdate	Date	Student's birthdate, in YYYY-MM-DD format	
Sex	String	Student's sex (Male or Female)	
AmericanIndianOrAlaskaNative	String	Whether or not the student is an American Indian or Alaska Native (Yes/No)	
Asian	String	Whether or not the student is Asian (Yes/No)	
BlackOrAfricanAmerican	String	Whether or not the student is Black or African American (Yes/No)	
NativeHawaiianOrOtherPacificIslander	String	Whether or not the student is a Native Hawaiian or Other Pacific Islander (Yes/No)	
White	String	Whether or not the student is White (Yes/No)	
DemographicRaceTwoOrMoreRaces	String	Whether or not the student is designated as two or more races (Yes/No)	
HispanicOrLatinoEthnicity	String	Whether or not the student is designated as being of Hispanic or Latino Ethnicity (Yes/No)	
SchoolIdentifier	Integer	Internal ID for the school in which the student is currently enrolled *Note: This returns the same value as SchoolSystemIdentifier. This will be removed in a future release; use SchoolSystemIdentifier instead.*	
SchoolSystemIdentifier	Integer	Unique system ID for the school in which the student is currently enrolled	
EntryGradeLevel	String	Grade in which the student is currently enrolled	
EnrollmentStatus	String	Enrollment code (returns "01811" for regular enrollment)	
Homeroom	String	Homeroom to which the student is assigned	
CohortGraduationYear	String	School year student graduated or is projected to graduate with a high school diploma (e.g., "2015-2016")	
GPACumulativeWeighted	Number	Student's weighted cumulative GPA (includes only completed courses)	
GPACumulativeUnweighted	Number	Student's un-weighted cumulative GPA (includes only completed courses)	
GPACumulativeInProgressWeighted	Number	Student's in progress weighted cumulative GPA (includes both completed and in progress courses)	
GPACumulativeInProgressUnweighted	Number	Student's in progress weighted cumulative GPA	

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

		(includes both completed and in progress courses)
GPAGivenSession	Number	Student's GPA for the current marking period (marking period vertical average)
HighSchoolStudentClassRankWeighted	Number	Student's weighted class rank (includes only completed courses)
HighSchoolStudentClassRankUnweighted	Number	Student's un-weighted class rank (includes only completed courses)
HighSchoolStudentClassRankInProgressWeighted	Number	Student's in progress weighted class rank (includes both completed and in progress courses)
HighSchoolStudentClassRankInProgressUnweighted	Number	Student's in progress un-weighted class rank (includes both completed and in progress courses)
LanguageType	String	Student's language type (a type of "Dominant" will be returned for all students' primary languages)
LanguageCode	String	Student's primary 3-character language code

Path: GET https://mydistrict.com/mysite/webapi.mvc/student

Return:

```
[{
"StudentSystemIdentifier": 3646,
"PersonSystemIdentifier": 822,
"Identity": {
"Name": {
"FirstName": "Marie",
"MiddleName": "A",
"LastName": "Moore",
"PersonalTitleOrPrefix": ""
},
"IdentificationType": [{
"StudentIdentifier": "580188659",
"StudentIdentificationSystem": "School"
}, {
"StudentIdentifier": "3646",
"StudentIdentificationSystem": "Other"
}],
"PersonIdentifier": 822,
"UserName": []
},
"Contact": {
"Address": {
"AddressTypeForLearnerOrFamily": "Physical",
"AddressStreetNumberAndName": "541 N Hillsboro Rd",
"AddressApartmentRoomOrSuiteNumber": "Address Line 2, Apt #1",
"AddressCity": "Rochester",
"StateAbbreviation": "NY",
"AddressPostalCode": "90210",
"AddressCountyName": "New Monroe",
"CountryCode": "US"
},
"Telephone": [{
"TelephoneNumberType": "Home",
"PrimaryTelephoneNumberIndicator": "Yes",
"TelephoneNumber": "5554288278"
}, {
```

schooltool API Documentation
schooltool v13.3

Page 27 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

```
"TelephoneNumberType": "Mobile",
"PrimaryTelephoneNumberIndicator": "No",
"TelephoneNumber": "5554267128"
}],
"Email": {
"ElectronicMailAddress": "MMoore@monroecity.rr.kom"
}
},
"Demographic": {
"Birthdate": "1997-11-04",
"Sex": "Female",
"AmericanIndianOrAlaskaNative": "No",
"Asian": "No",
"BlackOrAfricanAmerican": "No",
"NativeHawaiianOrOtherPacificIslander": "No",
"White": "Yes",
"DemographicRaceTwoOrMoreRaces": "No",
"HispanicOrLatinoEthnicity": "No"
},
"Enrollment": {
"SchoolIdentifier": 2,
"SchoolSystemIdentifier": 2,
"EntryGradeLevel": "12",
"EnrollmentStatus": "01811",
"Homeroom": "133",
"CohortGraduationYear": "2018-2019"
},
"AcademicRecord": {
"GPACumulativeWeighted": 77.0,
"GPACumulativeUnweighted": 77.0,
"GPACumulativeInProgressWeighted": 77.0,
"GPACumulativeInProgressUnweighted": 77.0,
"GPAGivenSession": 77.0,
"HighSchoolStudentClassRankWeighted": 127,
"HighSchoolStudentClassRankUnweighted": 127,
"HighSchoolStudentClassRankInProgressWeighted": 127,
"HighSchoolStudentClassRankInProgressUnweighted": 127
},
"Language": {
"LanguageType": "Dominant",
"LanguageCode": "ENG"
}
}]
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▸ school**tool**.com

Course

The Course object contains course catalog information (course names and codes) for all courses (or for a single course) in the current year.

Available URLs:

- `webapi.mvc/course`

- `webapi.mvc/course/{CourseSystemIdentifier}`

Available Filters:

- `SchoolSystemIdentifier`

Fields:

Field	Type	Description
CourseSystemIdentifier	Integer	Unique system ID for each course
CourseIdentifier	String	Course ID (internal, local, and state-defined). 3 IDs are returned: Other, School, and State *__Note__: "Other" returns the same value as CourseSystemIdentifier. This will be removed in a future release; use CourseSystemIdentifier instead.*
CourseCodeSystem	String	3 values are returned for each course: Other (internal ID), School (local course code assigned in course catalog), or State (state-defined course code used for NYS reporting) *__Note__: "Other" will be removed in a future release; use CourseSystemIdentifier to obtain that data instead.*
CourseTitle	String	Course name, including local course ID, presented as "Course Name (ID)" (e.g., "Biology (0941)")
SchoolIdentifier	Integer	Internal ID for the school associated with the course. *__Note__: This returns the same value as SchoolSystemIdentifier. This will be removed in a future release; use SchoolSystemIdentifier instead.*
SchoolSystemIdentifier	Integer	Unique ID for the school associated with the course
CourseDescription	String	Course description text as entered in the Course Catalog

Path: `GET https://mydistrict.com/mysite/webapi.mvc/course`

Return:

```
[{
"CourseSystemIdentifier": 49,
"CourseIdentifier": [{
"CourseIdentifier": "49",
"CourseCodeSystem": "Other"
}, {
"CourseIdentifier": "0049",
"CourseCodeSystem": "School"
}, {
"CourseIdentifier": "01001",
"CourseCodeSystem": "State"
}],
"CourseTitle": "English 9 (0049)",
"SchoolIdentifier": 2,
```

school**tool** API Documentation
school**tool** v13.3
Page 29 of 57
© 2014-2016 Mindex Technologies, Inc.
Modified 02/24/2016
Confidential

```
"SchoolSystemIdentifier": 2,
"CourseDescription": "English 9 / graded 0-100, has local final, is tied to attendance policy"
}]
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

Staff

The Staff object contains basic information (name, IDs, etc.) for all active staff members (or for a single staff member).

Available URLs:

- `webapi.mvc/staff`

- `webapi.mvc/staff/{StaffSystemIdentifier}`

Available Filters:

- `SchoolSystemIdentifier`

Fields:

Field	Type	Description
StaffSystemIdentifier	Integer	Unique system ID for each staff member (only exists for faculty)
PersonSystemIdentifier	Integer	Unique system ID for each individual
FirstName	String	Faculty first name
MiddleName	String	Faculty middle name
LastName	String	Faculty last name
PersonalTitleOrPrefix	String	Faculty title or prefix
StaffMemberIdentifier	Integer	Faculty IDs (internal, local, and state-assigned). 3 IDs are returned for each faculty: Other (internal ID), District-Assigned (for local faculty ID) and ProfessionalCertificate (for state-assigned Universal ID). *__Note__: "Other" returns the same value as StaffSystemIdentifier. This will be removed in a future release; use StaffSystemIdentifier instead.*
StaffMemberIdentificationSystem	String	3 values are returned for each school: Other, District-Assigned, ProfessionalCertificate. *__Note__: "Other" will be removed in a future release; use StaffSystemIdentifier to obtain that data instead.*
PersonIdentifier	Integer	Person ID (internal ID). *__Note__: This value is the same as the PersonSystemIdentifier. This will removed in a future release; use PersonSystemIdentifier instead.*
UserName	String	Faculty's schooltool username(s) (domain and/or local login); multiple usernames are presented as an array
ElectronicMailAddress	String	Faculty's email address(es); multiple addresses are presented as a comma separated list
Sex	String	Faculty's sex (Male or Female)
SchoolIdentifier	Integer	Internal ID for the school to which the faculty is assigned (if the faculty is assigned to multiple master schedules, a value will be returned for each of those school levels). *__Note__: This returns the same value(s) as SchoolSystemIdentifier. This will be removed in a future release; use SchoolSystemIdentifier instead.*
SchoolSystemIdentifier	Integer	Unique system ID for the school to which the faculty is assigned (if the faculty is assigned to multiple master schedules, a value will be returned for each of those school levels).
PositionTitle	String	Faculty position type

Path: GET `https://mydistrict.com/mysite/webapi.mvc/staff`

schooltool API Documentation
schooltool v13.3

Page 31 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Return:

```
[{
"StaffSystemIdentifier": 389,
"PersonSystemIdentifier": 2634,
"Identity": {
"Name": {
"FirstName": "Kimberly",
"MiddleName": "N",
"LastName": "Adams",
"PersonalTitleOrPrefix": "Mrs."
},
"Identification": [{
"StaffMemberIdentifier": "389",
"StaffMemberIdentificationSystem": "Other"
}, {
"StaffMemberIdentifier": "001066367",
"StaffMemberIdentificationSystem": "District"
}, {
"StaffMemberIdentifier": "001066367",
"StaffMemberIdentificationSystem": "ProfessionalCertificate"
}],
"PersonIdentifier": 2634,
"UserName": []
},
"Contact": {
"Email": {
"ElectronicMailAddress": "KAdams@notscape.xom"
}
},
"Demographic": {
"Sex": "Female"
},
"Assignment": [{
"SchoolIdentifier": 2,
"SchoolSystemIdentifier": 2
}],
"Employment": {
"PositionTitle": null
}
}]
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

ClassSection

The ClassSection object contains information (session information, staff assignments, and enrolled students) about all class sections (or a single class session) in the current year.

This call returns only those students that have active enrollments and are currently in the course.

Available URLs:

- `webapi.mvc/ClassSection`

- `webapi.mvc/ClassSection/{ClassSectionSystemIdentifier}`

Available Filters:

- `SchoolSystemIdentifier`

Fields:

Field	Type	Description
StudentIdentifier	String	Local student ID for each student enrolled in the class section
StudentSystemIdentifier	Integer	Unique system ID for each student enrolled in the class section
StudentFirstName	String	Student's first name
StudentLastName	String	Student's last name
ClassSectionSystemIdentifier	Integer	Unique system ID for each section of the course
CourseIdentifier	Integer	Internal ID for the course. *Note: This returns the same value as CourseSystemIdentifier and will be removed in a future release; use CourseSystemIdentifier instead.*
CourseSystemIdentifier	Integer	Unique system ID for each course
CourseTitle	String	Course name, including local course ID, presented as "Course Name (ID)" (e.g., "Biology (0941)")
TimetableDayIdentifier	String	Comma-delimited string representing the rotation cycle date codes on which the course meets (e.g., "A,B,C,D")
ClassMeetingDays	String	Comma-delimited string representing the days of the week a class meets *Note: This returns a blank string; use TimetableDayIdentifier instead to determine cycle days.*
RoomNumber	String	Room assigned to this course
StartingPeriod	String	Name of the first school period in which the course meets
EndingPeriod	String	Name of the last school period in which the course meets (for single-period courses, this value will match the StartingPeriod value)
SessionCode	String	2-character code (short name) for each calendar session (marking period) in which the course is held; multiple session codes returned as an array
ClassSectionIdentifier	Integer	Section number for each class section defined for the course (as defined in the master schedule)
SchoolIdentifier	Integer	Internal ID for the school associated with the course. *Note: This returns the same value as SchoolSystemIdentifier and will be removed in a future release; use SchoolSystemIdentifier instead.*
SchoolSystemIdentifier	Integer	Unique ID for the school associated with the course
SchoolYear	String	School year for which the course is scheduled

Mindex Technologies, Inc.
3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

SessionBeginDate	Date	Start date for the marking period in which the course is assigned to (YYYY-MM-DD)
SessionEndDate	Date	End date for the first marking period the course is assigned to (YYYY-DD-MM)
StaffMemberIdentifier	Integer	Internal ID for each staff member assigned to the class section ***Note**: This returns the same value as StaffSystemIdentifier and will be removed in a future release; use StaffSystemIdentifier instead.*
StaffSystemIdentifier	Integer	Unique system ID for each faculty assigned to the class section
StaffMemberIdentificationSystem	String	Identification system used for StaffMemberIdentifier; returns "Other" for all faculty ***Note**: This field will be removed in a future release; do not use.*
AssignmentStartDate	Date	Start date of the semester for the faculty assignment to the class section (date on which the faculty member was assigned to the class section), in YYYY-DD-MM format (this will be blank if the staff was automatically assigned for the whole year and the date was not overridden)
AssignmentEndDate	Date	End date for the faculty assignment to the class section (date on which the faculty member was assigned to the class section), in YYYY-DD-MM format (this will be blank if the staff was automatically assigned for the whole year and the date was not overridden)
StaffMemberFirstName	String	First name of teacher assigned to the course
StaffMemberLastName	String	Last name of teacher assigned to the course

Path: `GET https://mydistrict.com/mysite/webapi.mvc/ClassSection`

Return:

```
[{
"Enrollment": [{
"StudentIdentifier": "981",
"StudentSystemIdentifier": 3793,
"StudentFirstName": "Gladys",
"StudentLastName": "Hernandez"
}, {
"StudentIdentifier": "1040",
"StudentSystemIdentifier": 3847,
"StudentFirstName": "Linda",
"StudentLastName": "Carter"
}, {
"StudentIdentifier": "1046",
"StudentSystemIdentifier": 3853,
"StudentFirstName": "James",
"StudentLastName": "Smith"
}, {
"StudentIdentifier": "1266",
"StudentSystemIdentifier": 4147,
"StudentFirstName": "Kathryn",
"StudentLastName": "Phillips"
}, {
"StudentIdentifier": "362",
"StudentSystemIdentifier": 5019,
"StudentFirstName": "Marie",
"StudentLastName": "Smith"
}],
"ClassSectionSystemIdentifier": 78333,
```

school**tool** API Documentation
school**tool** v13.3

Page 34 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

```
"Course": {
"CourseIdentifier": 49,
"CourseSystemIdentifier": 49,
"CourseTitle": "English 9 (00049)"
},
"CourseSchedule": {
"TimetableDayIdentifier": "1,2",
"ClassMeetingDays": "",
"RoomNumber": "142",
"StartingPeriod": "8",
"EndingPeriod": "8"
},
"Directory": {
"SessionCode": ["M1, "M2", "M3", "M4", "M5", "M6"],
"ClassSectionIdentifier": 1,
"SchoolIdentifier": 2,
"SchoolYear": "2016",
"SessionBeginDate": "2015-09-08",
"SessionEndDate": "2016-06-17"
},
"Staff": [{
"StaffMemberIdentifier": 789,
"StaffSystemIdentifier": 789,
"StaffMemberIdentificationSystem": "Other",
"AssignmentStartDate": null,
"AssignmentEndDate": null,
"StaffMemberFirstName": "Mary",
"StaffMemberLastName": "Johnson"
}, {
"StaffMemberIdentifier": 455,
"StaffSystemIdentifier": 455,
"StaffMemberIdentificationSystem": "Other",
"AssignmentStartDate": "2014-10-22",
"AssignmentEndDate": null,
"StaffMemberFirstName": "Sallie",
"StaffMemberLastName": "Adams"
}]
}]
```

schooltool API Documentation
schooltool v13.3

Page 35 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

Import Assignments

The Import Grade Book Assignment request allows users to send data related to grade book assignments to school**tool**. This operation may be used to send a single assignment at a time.

Data is sent via a POST request to populate an import screen in the teacher's grade book, where the teacher can then review and import available assignments into the grade book.

The POST also returns a response that includes a unique value for that assignment, the `ImportGradeBookAssignmentSystemIdentifier`. That value can then be used for subsequent POSTs to import assignment scores for that assignment.

Assignments that already exist in the grade book can be modified using this method as well. When updating an assignment that was previously imported using the API, the corresponding `ImportGradeBookAssignmentSystemIdentifier` for that assignment should be included in the POST. For assignments that do not already have an `ImportGradeBookAssignmentSystemIdentifier` value, matching assignments in the grade book will be identified using the assignment's name and date.

Available URLs:

- `webapi.mvc/ImportGradeBookAssignment/{ClassSectionSystemIdentifier}`

Available Filters:

- `NONE` (paging and filters not supported by POST requests)

Fields:

Field	Type	Req'd?	Description
ClassSectionSystemIdentifier	Integer	Y	Unique system ID for the class section (**required in the URL** to specify which grade book will receive the data; not used in POST body)
Name	String (50)	Y	Name of the assignment to be added; **required**
Date	Date	Y	Date of the assignment to be added; **required**
Description	String (255)	N	Description of the assignment; optional
Category	String (50)	N	Grade book category to which the assignment belongs; optional
MaxPoints	Integer	N	Maximum number of potential points for this assignment (used for numeric grading scales only); optional
ImportGradeBookAssignmentSystemIdentifier	Integer	N	Unique system ID for the grade book assignment (returned after the Import Assignment POST; used when importing assignment scores or to identify a specific assignment when updating assignments that have already been imported)

Path: `POST https://mydistrict.com/mysite/webapi.mvc/ImportGradeBookAssignment/76100`

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

This request submits the following new grade book assignment for the class section whose ClassSectionSystemIdentifier is equal to 76100. Assignment details are submitted in JSON in the body of the request.

Content (JSON):

```
{
"Name": "Homework 3",
"Date": "2014-11-08 11:30:00",
"Description": "Chapters 1, 2 and 4",
"Category": "HW",
"MaxPoints": 100
}
```

The response will include the new ImportGradeBookAssignmentSystemIdentifier (in this sample, the value returned is 29), which can then be used when importing assignment scores.

Return:

```
{
"ImportGradeBookAssignmentSystemIdentifier": 29,
"ClassSectionSystemIdentifier": 76100,
"Name": "Homework 3",
"Date": "2014-11-08",
"Description": "Chapters 1, 2 and 4",
"Category": "HW",
"MaxPoints": 100
}
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

Import Assignment Scores

The Import Grade Book Assignment Scores request allows users to send students' assignment scores to school**tool** once the associated assignments have been created via the [Import Assignment](#) POST operation. This operation allows the user to send multiple scores, for one or more assignments, in a single request.

Once data has been sent to school**tool**, teachers can then review and import assignments and scores into their grade books.

Available URLs:

- `webapi.mvc/ImportGradeBookAssignmentScores/{ClassSectionSystemIdentifier}`

Available Filters:

- `NONE` (paging and filters not supported by POST requests)

Fields:

Field	Type	Req'd?	Description
ImportGradeBookAssignmentSystemIdentifier	Integer	Y	Unique system ID for the grade book assignment; used to identify which assignment the scores belong to (returned by the Import Assignment POST); **required in URL**
StudentSystemIdentifier	Integer	Y	Unique system ID for the student for whom assignment scores are being added; **required**
Score	String (10)	Y	Assignment score for the student for that assignment; **required**

Path: `POST https://mydistrict.com/mysite/webapi.mvc/ImportGradeBookAssignmentScores/76100`

> *This request submits the following assignment scores for the class section whose* `ClassSectionSystemIdentifier` *is equal to 76100. The scores in the sample content below are all associated with the grade book assignment whose* `ImportGradeBookAssignmentSystemIdentifier` *is equal to 31.*

Content (JSON):

```
[
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 3811,
"Score": "89"
},
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 5174,
"Score": "76"
},
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 10567,
```

school**tool** API Documentation
school**tool** v13.3

Page 39 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

```
"Score": "68"
}
]
```

If the POST is successful, a confirmation or error code will be returned for each record.

In the samples below, the first two scores were successfully sent but the third score could not be sent due to an error.

Return:

Success (201 status code)

```
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 3811,
"Score": "89",
"ResponseCode": 201,
"ResponseMessage": ""
}, {
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 5174,
"Score": "76",
"ResponseCode": 201,
"ResponseMessage": ""
}
```

Error (207 status code in header; 404 error in specific record)

```
{
"ImportGradeBookAssignmentSystemIdentifier": 31,
"StudentSystemIdentifier": 105699,
"Score": "68",
"ResponseCode": 404,
"ResponseMessage": "Student not found or student not enrolled in course"
}
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ school**tool**.com

ProgramService

The ProgramService object allows users to manage IEP and 504 program service data for currently enrolled students.

IEP/Student

Note: Most API calls use a SystemIdentifier to specify an internal system ID. IEP calls, however, require the student's local (district-assigned) Student ID instead.

Available Calls:

- GET: Used to retrieve IEP data for a student (includes all IEP records, including historical data).

    - Student ID must be specified in the URL.

    - URL: `webapi.mvc/ProgramService/IEP/Student/{StudentIdentifier}`

- PUT: Used to end a currently active IEP record for a student.

    - Student ID must be specified in the request body, rather than in the URL.

    - URL: `webapi.mvc/ProgramService/IEP/Student`

- POST: Used to create a new IEP record for a student based on the information provided.

    - Student ID must be specified in the request body, rather than in the URL.

    - URL: `webapi.mvc/ProgramService/IEP/Student`

- DELETE: Used to permanently delete a specific IEP record for a student, using Student ID in conjunction with the IEP record's Start and End Dates.

    - Student ID must be specified in the request body, rather than in the URL.

    - URL: `webapi.mvc/ProgramService/IEP/Student`

GET IEP

Used to retrieve data about a specific student's IEP records, including both current and historical IEP data. The URL must include a `StudentIdentifier` (local Student ID) to specify the student for whom the call is retrieving data.

Available URLs:

- `webapi.mvc/ProgramService/IEP/Student{StudentIdentifier}`

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ schooltool.com

Available Filters:

- NONE

Fields:

Field	Type	Description
StudentIdentifier	Integer	Local student ID for the student; **required in URL** *Note*: This is not the StudentSystemIdentifier, but the district-assigned student ID
StartDate	Date	Start date of the IEP record in YYYY-MM-DD format
EndDate	Date	End date of the IEP record in YYYY-MM-DD format (returns "null" for all current records)
Type	String	The program service type (returns "IEP" for all IEP records)
Provider	String	Provider listed for the IEP record (if in-district, this will return the building school level; if out of district, this will return a BEDS code for the designated provider)
IsInDistrictProvider	Boolean	Indicates whether the provider is in-district or out of district (true/false)

Path: GET https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/IEP/Student/4266

> This request retrieves all IEP information for the student whose StudentIdentifier *(local Student ID)* is equal to 4266. In this example, the student has 3 IEP records (2 ended records and 1 current record).

Content (JSON):

```json
[
{
"StudentIdentifier": "4266",
"StartDate": "2013-07-01",
"EndDate": "2014-06-30",
"Type": "IEP",
"Provider": "Mindex MS / Middle School",
"IsInDistrictProvider": true
}, {
"StudentIdentifier": "4266",
"StartDate": "2014-07-01",
"EndDate": "2015-07-05",
"Type": "IEP",
"Provider": "Mindex MS / Middle School",
"IsInDistrictProvider": true
}, {
"StudentIdentifier": "4266",
"StartDate": "2015-07-06",
"EndDate": null,
"Type": "IEP",
"Provider": "Mindex HS / High School",
"IsInDistrictProvider": true
}]
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

schooltool.com

schooltool

PUT IEP

Used to end a student's currently active IEP record. This call cannot be used to modify other IEP data (use the DELETE and POST calls to update historical IEP records if needed).

The StudentIdentifier (local Student ID) and the appropriate EndDate should be included in the payload content. Only one record may be updated at a time.

Available URLs:

- `webapi.mvc/ProgramService/IEP/Student`

Available Filters:

- `NONE`

Possible Error Messages / Validation:

- StudentIdentifier is required

- End Date is required

- End Date must be prior to or equal to today

- Student not found

- An open IEP does not exist for student

- End Date must be equal to or after Start Date

Fields:

Field	Type	Req'd?	Description
StudentIdentifier	Integer	Y	Local student ID for the student; **required in body** *Note: This should be the district-assigned student ID, not the SystemIdentifier.*
EndDate	Date	Y	End date of the IEP record in YYYY-MM-DD format (cannot be null when using PUT)

Path: PUT https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/IEP/Student

schooltool API Documentation
schooltool v13.3

Page 43 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

This request ends the currently active IEP record for the student specified in the content. In this example, the active IEP record will be ended for the student whose `StudentIdentifier` *(local Student ID) is equal to 4267.*

Content (JSON):

```
{
"StudentIdentifier" : "4267",
"EndDate": "2015-12-31"
}
```

If the PUT is successful, a confirmation or error code will be returned for the record. Successes will return the data for the IEP record that was ended. Errors will return a 400 status code, along with any specific errors and/or validation message in the return.

Return:

Success (200 status code)

```
{
"StudentIdentifier": "4267",
"StartDate": "2015-07-01",
"EndDate": "2015-12-31",
"Type": "IEP",
"Provider": "Mindex HS / High School",
"IsInDistrictProvider": true
}
```

POST IEP

Used to create a new IEP record for a currently enrolled student. All relevant data, including the `StudentIdentifier` (local Student ID), should be included in the payload content. Only one record may be created at a time.

Available URLs:

- `webapi.mvc/ProgramService/IEP/Student`

Available Filters:

- `NONE`

Possible Error Messages / Validation:

- Date range is conflicting with [date range]

- StudentIdentifier is required

- Student not found

school**tool** API Documentation
school**tool** v13.3
Page 44 of 57
© 2014-2016 Mindex Technologies, Inc.
Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

schooltool™

- Student is enrolled out-of-district. An out-of-district provider is required.

- Invalid in-district provider

- Invalid BEDS provider

- Start Date is required

- Start Date must be prior to or equal to today

- End Date must be after the Start Date

- End Date must be prior to or equal to today

- A student may only have one current IEP at a time

- An in-district provider cannot be selected for an out-of-district program service

Fields:

Field	Type	Req'd?	Description
StudentIdentifier	Integer	Y	Local student ID for the student; **required in body** *Note: This should be the district-assigned student ID, not the SystemIdentifier.*
StartDate	Date	Y	Start date of the IEP record in YYYY-MM-DD format
EndDate	Date	N	End date of the IEP record in YYYY-MM-DD format (use "null" for current records)
Type	String (3)	N	If this field is included, use "IEP" for all records
Provider	String (103)	N	The provider to be specified on the IEP record: • If "IsInDistrictProvider" is set to "true" this field can be blank (school**tool** will use the building and school level from the student's current enrollment for the provider when creating the record). In-district providers should be entered by specifying a building and school level, each of which may be up to 50 characters, separated by a slash mark " / ". For example, "Mindex HS / High School" denotes a building of "Mindex HS" and a school level of "High School". Where an in-district provider is specified, the text must be an exact match to the building and school level names as defined in

school**tool** API Documentation
school**tool** v13.3

Page 45 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

			schooltool.
			• If "IsInDistrictProvider" is set to "false", this field must contain the BEDS code of the provider.
IsInDistrictProvider	Boolean	Y	Indicates whether or not the provider is an in-district provider (see note about Provider, above)

Path: POST https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/IEP/Student

> *This request creates an IEP record for the student specified in the content. In this example, a new IEP record will be created for the student whose* StudentIdentifier *(local Student ID) is equal to 4267.*

Content (JSON):

```
{
"StudentIdentifier" : "4267",
"StartDate": "2014-07-01",
"EndDate": "2015-06-30",
"Provider" :"Mindex MS / Middle School",
"IsInDistrictProvider" : true
}
```

> *If the POST is successful, a confirmation or error code will be returned for the record. Successes will return the data for the IEP record that was created. Errors will return a 400 status code, along with any specific errors and/or validation message in the return.*

Return:

> *Success (200 status code)*

```
{
"StudentIdentifier": "4267",
"StartDate": "2014-07-01",
"EndDate": "2015-06-30",
"Type": "IEP",
"Provider": "Mindex MS / Middle School",
"IsInDistrictProvider": true
}
```

DELETE IEP

Used to delete a student's currently active IEP record. Note that if multiple records match the specified start and end dates, this will delete the first record encountered.

All relevant data, including the StudentIdentifier (local Student ID), should be included in the payload content. Only one record may be updated at a time.

Available URLs:

• webapi.mvc/ProgramService/IEP/Student

schooltool API Documentation
schooltool v13.3

Page 46 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▶ school**tool**.com

Available Filters:

- NONE

Possible Error Messages / Validation:

- StudentIdentifier is required

- Student not found

- An matching IEP could not be found

Fields:

Field	Type	Req'd?	Description
StudentIdentifier	Integer	Y	Local student ID for the student; **required in body** * *Note*: This should be the district-assigned student ID, **not** the SystemIdentifier.
StartDate	Date	Y	Start date of the IEP record in YYYY-MM-DD format
EndDate	Date	Y	End date of the IEP record in YYYY-MM-DD format (use "null" to indicate current records)

Path: DELETE https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/IEP/Student

This request permanently deletes the IEP record specified in the content. In this example, the IEP record whose start and end dates are 07/01/2015 and 12/31/2015, respectively, will be deleted for the student whose StudentIdentifier *(local Student ID) is equal to 4267.*

Content (JSON):

```
{
"StudentIdentifier": "4267",
"StartDate": "2015-07-01",
"EndDate": "2015-12-31"
}
```

If the DELETE is successful, the response body will include "Success: true" to indicate the record was successfully deleted. Errors will return a 400 status code, along with any specific errors and/or validation message in the return.

Return:

school**tool** API Documentation
school**tool** v13.3

Page 47 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Success (200 status code)

```
{
"success": true
}
```

504/Student

Note: Most API calls use a SystemIdentifier to specify an internal system ID. 504 calls, however, require the student's local (district-assigned) Student ID instead.

Available Calls:

- GET: Used to retrieve 504 data for a student (includes all 504 records, including historical data).

    o Student ID must be specified in the URL.

    o URL: `webapi.mvc/ProgramService/504/Student/{StudentIdentifier}`

- PUT: Used to end a currently active 504 record for a student.

    o Student ID must be specified in the request body, rather than in the URL.

    o Student ID must be specified in the request body, rather than in the URL.

    o URL: `webapi.mvc/ProgramService/504/Student`

- POST: Used to create a new 504 record for a student based on the information provided.

    o Student ID must be specified in the request body, rather than in the URL.

    o URL: `webapi.mvc/ProgramService/504/Student`

- DELETE: Used to permanently delete a specific 504 record for a student, using Student ID in conjunction with the 504 record's Start and End Dates.

    o Student ID must be specified in the request body, rather than in the URL.

    o URL: `webapi.mvc/ProgramService/504/Student`

GET 504

Used to retrieve data about a specific student's 504 records, including both current and historical 504 data. The URL must include a `StudentIdentifier` (local Student ID) to specify the student for whom the call is retrieving data.

Available URLs:

- `webapi.mvc/ProgramService/504/Student{StudentIdentifier}`

Available Filters:

- NONE

Fields:

Field	Type	Description
StudentIdentifier	Integer	Local student ID for the student; **required in URL** *Note*: *This is not the StudentSystemIdentifier, but the district-assigned student ID*
StartDate	Date	Start date of the 504 record in YYYY-MM-DD format
EndDate	Date	End date of the 504 record in YYYY-MM-DD format (returns "null" for all current records)
Type	String	The program service type (returns "504" for all 504 records)
Provider	String	Provider listed for the 504 record (if in-district, this will return the building school level; if out of district, this will return a BEDS code for the designated provider)
IsInDistrictProvider	Boolean	Indicates whether the provider is in-district or out of district (true/false)

Path: GET https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/504/Student/4266

> This request retrieves all 504 information for the student whose StudentIdentifier *(local Student ID)* is equal to 4266. In this example, the student has 3 504 records (2 ended records and 1 current record).

Content (JSON):

```
[
{
    "StudentIdentifier": "4266",
    "StartDate": "2013-07-01",
    "EndDate": "2014-06-30",
    "Type": "IEP",
    "Provider": "Mindex MS / Middle School",
    "IsInDistrictProvider": true
}, {
    "StudentIdentifier": "4266",
    "StartDate": "2014-07-01",
    "EndDate": "2015-07-05",
    "Type": "IEP",
    "Provider": "Mindex MS / Middle School",
    "IsInDistrictProvider": true
}, {
    "StudentIdentifier": "4266",
    "StartDate": "2015-07-06",
```

schooltool API Documentation
schooltool v13.3

Page 50 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

```
    "EndDate": null,
    "Type": "IEP",
    "Provider": "Mindex HS / High School",
    "IsInDistrictProvider": true
}]
```

PUT 504

Used to end a student's currently active 504 record. This call cannot be used to modify other 504 data (use the DELETE and POST calls to update historical 504 records if needed).

The StudentIdentifier (local Student ID) and the appropriate EndDate should be included in the payload content. Only one record may be updated at a time.

Available URLs:

- `webapi.mvc/ProgramService/504/Student`

Available Filters:

- `NONE`

Possible Error Messages / Validation:

- StudentIdentifier is required

- End Date is required

- End Date must be prior to or equal to today

- Student not found

- An open IEP does not exist for student

- End Date must be equal to or after Start Date

Fields:

Field	Type	Req'd?	Description
StudentIdentifier	Integer	Y	Local student ID for the student; **required in body** ***Note**: This should be the district-assigned student ID, **not** the SystemIdentifier.*
EndDate	Date	Y	End date of the 504 record in YYYY-MM-DD format (cannot be null when

Path: PUT https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/504/Student

> *This request ends the currently active 504 record for the student specified in the content. In this example, the active 504 record will be ended for the student whose* StudentIdentifier *(local Student ID) is equal to 4267.*

Content (JSON):

```json
{
"StudentIdentifier" : "4267",
"EndDate": "2015-12-31"
}
```

> *If the PUT is successful, a confirmation or error code will be returned for the record. Successes will return the data for the 504 record that was ended. Errors will return a 400 status code, along with any specific errors and/or validation message in the return.*

Return:

> *Success (200 status code)*

```json
{
    "StudentIdentifier": "4267",
    "StartDate": "2015-07-01",
    "EndDate": "2015-12-31",
    "Type": "IEP",
    "Provider": "Mindex HS / High School",
    "IsInDistrictProvider": true
}
```

POST 504

Used to create a new 504 record for a currently enrolled student. All relevant data, including the StudentIdentifier (local Student ID), should be included in the payload content. Only one record may be created at a time.

Available URLs:

* webapi.mvc/ProgramService/504/Student

Available Filters:

* NONE

school**tool** API Documentation
school**tool** v13.3

Page 52 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

Possible Error Messages / Validation:

- Date range is conflicting with [date range]

- StudentIdentifier is required

- Student not found

- Student is enrolled out-of-district. An out-of-district provider is required.

- Invalid in-district provider

- Invalid BEDS provider

- Start Date is required

- Start Date must be prior to or equal to today

- End Date must be after the Start Date

- End Date must be prior to or equal to today

- A student may only have one current 504 at a time

- An in-district provider cannot be selected for an out-of-district program service

Fields:

Field	Type	Req'd?	Description
StudentIdentifier	Integer	Y	Local student ID for the student; **required in body** *__Note__: This should be the district-assigned student ID, __not__ the SystemIdentifier.*
StartDate	Date	Y	Start date of the 504 record in YYYY-MM-DD format
EndDate	Date	N	End date of the 504 record in YYYY-MM-DD format (use "null" for current records)
Type	String (3)	N	If this field is included, use "504" for all records
Provider	String (103)	N	The provider to be specified on the 504 record: • If "IsInDistrictProvider" is set to "true" this field can be blank (school**tool** will use the building and school level from the student's current enrollment for the provider when creating the record). In-district providers should be entered by specifying a building and school level, each of which may be up to 50 characters, separated by a slash

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

▸ schooltool.com

schooltool™

			mark " / ". For example, "Mindex HS / High School" denotes a building of "Mindex HS" and a school level of "High School". Where an in-district provider is specified, the text must be an exact match to the building and school level names as defined in schooltool. • If "IsInDistrictProvider" is set to "false", this field must contain the BEDS code of the provider.
IsInDistrictProvider	Boolean	Y	Indicates whether or not the provider is an in-district provider (see note about Provider, above)

Path: `POST https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/504/Student`

> *This request creates an 504 record for the student specified in the content. In this example, a new 504 record will be created for the student whose `StudentIdentifier` (local Student ID) is equal to 4267.*

Content (JSON):

```
{
"StudentIdentifier" : "4267",
"StartDate": "2014-07-01",
"EndDate": "2015-06-30",
"Provider" :"Mindex MS / Middle School",
"IsInDistrictProvider" : true
}
```

> *If the POST is successful, a confirmation or error code will be returned for the record. Successes will return the data for the 504 record that was created. Errors will return a 400 status code, along with any specific errors and/or validation message in the return.*

Return:

> *Success (200 status code)*

```
{
"StudentIdentifier": "4267",
"StartDate": "2014-07-01",
"EndDate": "2015-06-30",
"Type": "504",
"Provider": "Mindex MS / Middle School",
"IsInDistrictProvider": true
}
```

DELETE 504

Used to delete a student's currently active 504 record. Note that if multiple records match the specified start and end dates, this will delete the first record encountered.

schooltool API Documentation
schooltool v13.3

Page 54 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential

All relevant data, including the StudentIdentifier (local Student ID), should be included in the payload content. Only one record may be updated at a time.

Available URLs:

- `webapi.mvc/ProgramService/504/Student`

Available Filters:

- `NONE`

Possible Error Messages / Validation:

- StudentIdentifier is required

- Student not found

- An matching IEP could not be found

Fields:

Field	Type	Req'd?	Description
StudentIdentifier	Integer	Y	Local student ID for the student; **required in body** *Note*: This should be the district-assigned student ID, **not** the *SystemIdentifier*.
StartDate	Date	Y	Start date of the 504 record in YYYY-MM-DD format
EndDate	Date	Y	End date of the 504 record in YYYY-MM-DD format (use "null" to indicate current records)

Path: `DELETE https://mydistrict.com/mysite/webapi.mvc/ProgramSeveice/504/Student`

> *This request permanently deletes the 504 record specified in the content. In this example, the 504 record whose start and end dates are 07/01/2015 and 12/31/2015, respectively, will be deleted for the student whose* `StudentIdentifier` *(local Student ID) is equal to 4267.*

Content (JSON):

```
{
"StudentIdentifier": "4267",
"StartDate": "2015-07-01",
"EndDate": "2015-12-31"
}
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

➤ schooltool.com

If the DELETE is successful, the response body will include "Success: true" to indicate the record was successfully deleted. Errors will return a 400 status code, along with any specific errors and/or validation message in the return.

Return:

Success (200 status code)

```
{
"success": true
}
```

Mindex Technologies, Inc.

3495 Winton Place
Building E, Suite 4
Rochester, NY 14623
P 585.424.3590
F 585.424.3809

► schooltool.com

Index

schooltool API Documentation
schooltool v13.3

Page 57 of 57
© 2014-2016 Mindex Technologies, Inc.

Modified 02/24/2016
Confidential