Insights in Day: At Risk Students

Data Dictionary

# Instructions

This document is meant to provide detailed information on to create the required views for the Insights in a Day: At Risk Students workshop. To successfully complete the workshop, you need to create a set of tables/views the comply with the below details. Below are the details that describe the objects you must create on your Student Information System (SIS) Database. Please ensure that the object names, columns names and data types are as specified in this document.

# Data Dictionary

The following is a list of all objects and corresponding columns that must be created prior to deploying the solution. Note: Please name the objects as specified by the **Object Name** and ensure that the columns and data types match also.

## Action

**Description:** A list of Actions that will be taken in the event of some type of incident on campus. Examples of these actions are: Loss of Privileges, Saturday School, Verbal Warning, etc…

**Object Name:** vw\_pbiAction

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| ActionID | Unique Identifier for each Action in the list. | varchar | 5 |
| Action | Description of each Action. | varchar | 40 |

## Attendance Type

**Description:** A list of Attendance Types that correspond to the student’s attendance on that day. Examples of these actions are: Absent, Counselor, Office, Field Trip, etc…

**Object Name:** vw\_pbiAttendanceType

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| AttendanceTypeID | Unique Identifier for each AttendanceType in the list. | Varchar | 5 |
| AttendanceType | Description of each AttendanceType. | varchar | 40 |

## Course

**Description:** A list of Courses that are available at your school or district. Examples of these actions are: English, Math, Chemistry, etc…

**Object Name:** vw\_pbiCourse

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| CourseID | Unique Identifier for each Course in the list. | Bigint |  |
| CourseName | Description of each Course. | Varchar | 40 |
| CourseCode | An additional Unique Identifier that is more descriptive than CourseID. Some examples are as follows: EN.ENG1, MT.MATH1, etc… | varchar | 15 |

## Incident

**Description:** A list of Incidents. Examples of these actions are: Fighting, Cursing, Theft, etc…

**Object Name:** vw\_pbiIncident

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Date Type** | **Size** |
| IncidentID | Unique Identifier for each Incident in the list. | Varchar | 5 |
| Incident | Description of each Incident. | varchar | 40 |

## Involvement

**Description:** A list of Involvements. Examples of these actions are: Accomplice, Victim, Witness, etc…

**Object Name:** vw\_pbiInvolvement

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| InvolvementID | Unique Identifier for each Involvement in the list. | Varchar | 5 |
| Involvement | Description of each Involvement. | varchar | 20 |

## School

**Description:** A list of Schools in your District, County, etc….

**Object Name:** vw\_pbiSchool

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| SchoolID | Unique Identifier for each School in the list. | Int |  |
| SchoolName | Name of Each School. | Varchar | 40 |

## Student

**Description:** A list of Students in your County, District, School, etc….

**Object Name:** vw\_pbiStudentID

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| StudentID | Unique Identifier for each Student in the list. | Bigint |  |
| StudentName | Student first and last name. | Varchar | 20 |
| Gender | Student Gender (Male, Female) | Varchar | 6 |
| FederalRaceCategory | Student Race(Asian, Black, White, etc…) | Varchar | 50 |
| PrimaryLanguage | Student Primary Language (English, Spanish, etc…) | varchar | 25 |
| GradeNumber | Student current Grade (1, 2, 3, etc…). **For Kindergarten set value to 0, PreK set value to -1 and Ungraded Elementary set value to -2** | Int |  |
| Grade | Student current Grade name (First, Second, Third, etc…) | Varchar | 12 |
| CumulativeGPA | Student current overall GPA | varchar | 50 |
| StartSchoolyear | When School year started | date |  |
| EndSchoolYear | When school year ended | date |  |

## DailyAttendance

**Description:** Each row in this table represents a unique daily attendance record for each student in the school. It will be used to determine whether is a student was absent the entire day (Excused or Unexcused)

**Object Name:** vw\_pbiDailyAttendance

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| SchoolID | Unique Identifier for each School in the list. | Int |  |
| AttendanceDate | Date of attendance | datetime |  |
| AttendanceDateSK | Date as integer **yyyymmdd** | Int |  |
| StudentID | Unique Identifier for each Student in the list. | Bigint |  |
| NumofPossiblePeriods | How many possible periods in a day. | Varchar | 50 |
| NumofTardies | Total tardies for a given day | Varchar | 50 |
| NumofUnexcusedAbsent | Number of unexcused absences for each period | Varchar | 50 |
| NumExcusedAbsent | Number of excused absences for each period | varchar | 50 |
| FTE | Students represented Daily Membership | decimal |  |

## ClassAttendance

**Description:** Each row in this table represents a unique class attendance record for each student in the school. It will be used to determine whether is a student was absent or present for a specific course.

**Object Name:** vw\_pbiClassAttendance

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Date Type** | **Size** |
| Term | Associated term for each row. | Int |  |
| AttendanceDate | Date of attendance | Datetime |  |
| AttendanceDateSK | Date as integer **yyyymmdd** | int |  |
| StudentID | Unique Identifier for each Student in the list. | Int |  |
| SchoolID | Unique Identifier for each School in the list. | Bigint |  |
| CourseID | Unique Identifier for each Course in the list. | Int |  |
| AttendTypeID | Unique Identifier for each Attendance Type in the list. | Varchar | 5 |

## DailyIncident

**Description:** Each row in this table represents a unique Incident record for each student in the school. It will be used to determine number of incidents at different levels

**Object Name:** vw\_pbiDailyAttendance

**Columns:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Size** |
| SchoolID | Unique Identifier for each School in the list. | int |  |
| IncidentDate | Date of incident | Datetime |  |
| IncidentDateSK | Date as integer **yyyymmdd** | int |  |
| StudentID | Unique Identifier for each Student in the list. | Bigint |  |
| InvolvementID | Unique Identifier for each Involvement in the list. | Varchar | 5 |
| IncidentID | Unique Identifier for each Incident in the list. | varchar | 5 |
| ActionID | Unique Identifier for each Action in the list. | Varchar | 5 |