

Unifying Data Model v2.0 Handbook

The Ed-Fi Unifying Data Model Handbook is a searchable reference that includes definitions for every entity and element in the Ed-Fi Data Model. The UDM Handbook complements the visual UDM diagrams by providing detailed type specifications, cardinality, usage, enumeration lists, an XSD (normative) and SQL (non-normative) expression, and other information about the elements and entities that make up the Ed-Fi Data Model.

Link

The following link will take you to the **Unifying Data Model Handbook**:

[Ed-Fi Unifying Data Model Handbook](#)

The screenshot shows the 'Grade' entity page in the Ed-Fi Data Model Handbook. The page includes a search bar, a domain entry dropdown, and a sidebar with a list of entities. The main content area is titled 'Grade' and contains the following sections:

- Entity Type: Domain Entity**
- Ed-Fi ID: 509**
- Definition:** The educational entity represents an overall score or assessment tied to a course over a period of time (i.e., the grading period). Student grades are usually a compilation of marks and other scores.
- References:** A table listing properties of the Grade entity.
- Used By:** A list of reports that use the Grade entity.
- XSD:** XML Schema Definition for the Grade entity.

Property	Datatype	Identity	Cardinality	Definition
GradeType	EnumerationProperty	Yes	Required	The type of grade reported (e.g., Exam, Final, Grading Period).
GradingPeriodGradingPeriod	ReferenceProperty	Yes	Required	Identifies the grading period for the Grade.
StudentSectionAssociation	ReferenceProperty	Yes	Required	Relates the student and Section associated with the Grade.
DisposesStatement	SharedStringProperty	No	Optional	A statement provided by the teacher that provides information in addition to the grade or assessment score.
LetterGradeEarned	SharedStringProperty	No	Optional	A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.
NumericGradeEarned	SharedDecimalProperty	No	Optional	A final or interim (grading period) indicator of student performance in a class as submitted by the instructor.
PerformanceBasedConversion	EnumerationProperty	No	Optional	A conversion of the level to a standard set of performance levels.

Used By

- ReportCardGrade (as optional collection)

```
<!-- XSD -->
<xs:complexType name="Grade">
  <xs:annotation base="Ed-Fi:Entity" />
  <xs:documentation>This educational entity represents an overall score or assessment tied to a course over a period of time (i.e., the grading period). Student grades are usually a compilation of marks and other scores.</xs:documentation>
  <xs:sequence>
    <xs:element name="GradeType" type="GradeType" />
    <xs:element name="GradingPeriodGradingPeriod" type="GradingPeriodGradingPeriod" />
    <xs:element name="StudentSectionAssociation" type="StudentSectionAssociation" />
    <xs:element name="DisposesStatement" type="string" />
    <xs:element name="LetterGradeEarned" type="string" />
    <xs:element name="NumericGradeEarned" type="decimal" />
    <xs:element name="PerformanceBasedConversion" type="PerformanceBasedConversion" />
  </xs:sequence>
</xs:complexType>
```