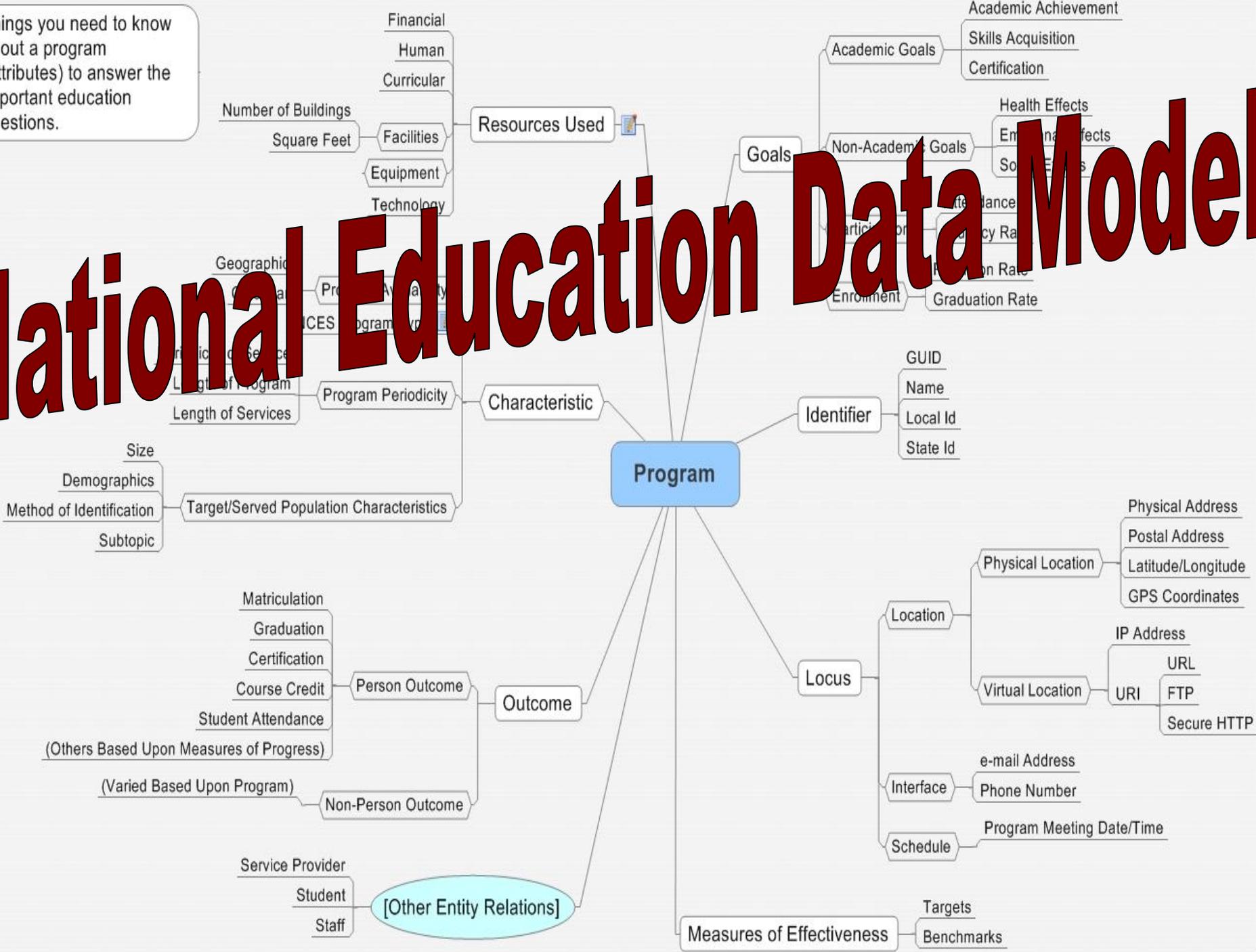


National Education Data Model

Things you need to know about a program (attributes) to answer the important education questions.





National Education Data Model Mission Statement

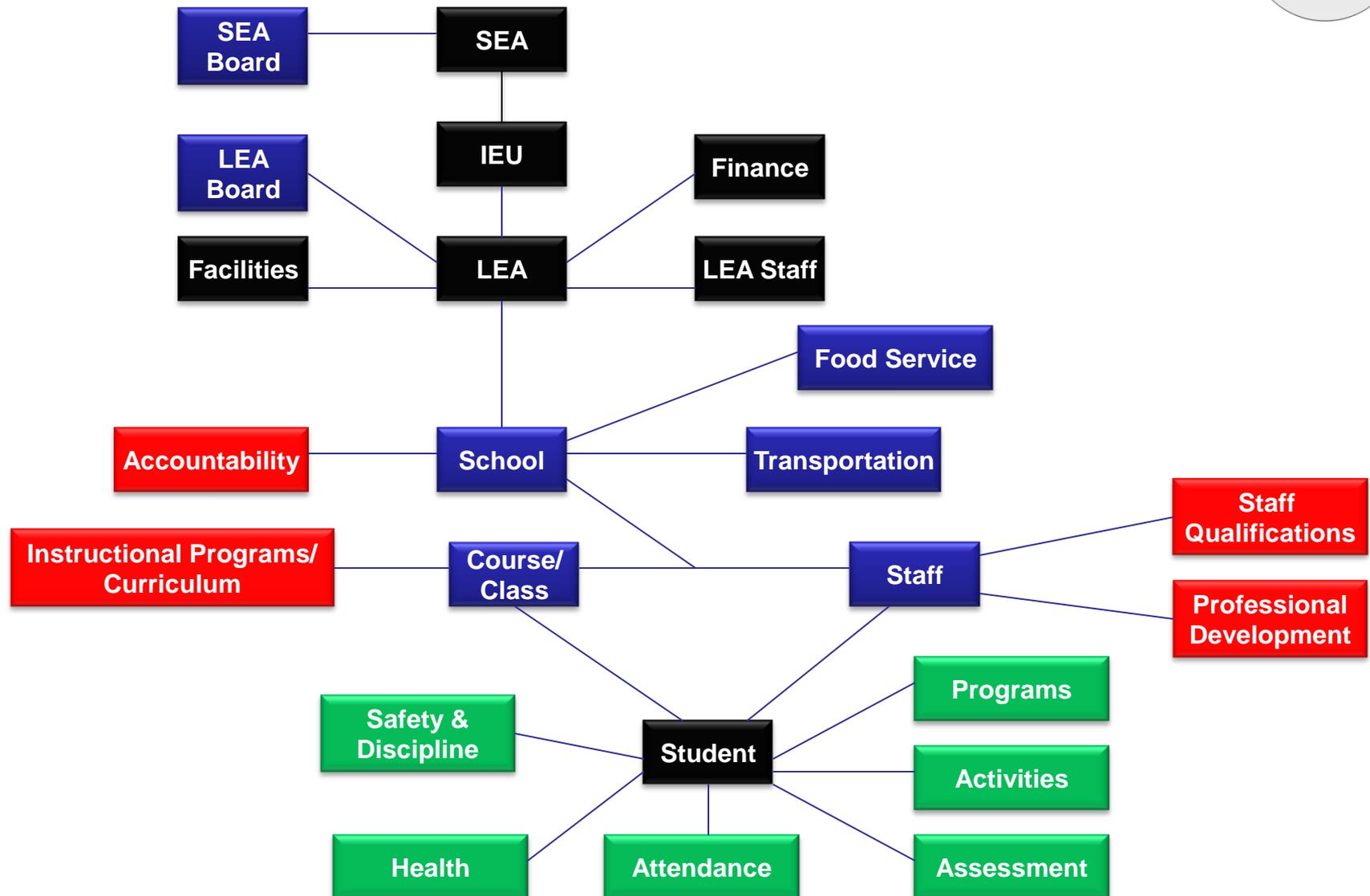
Create an open framework for education data systems based on current standards.

Why?

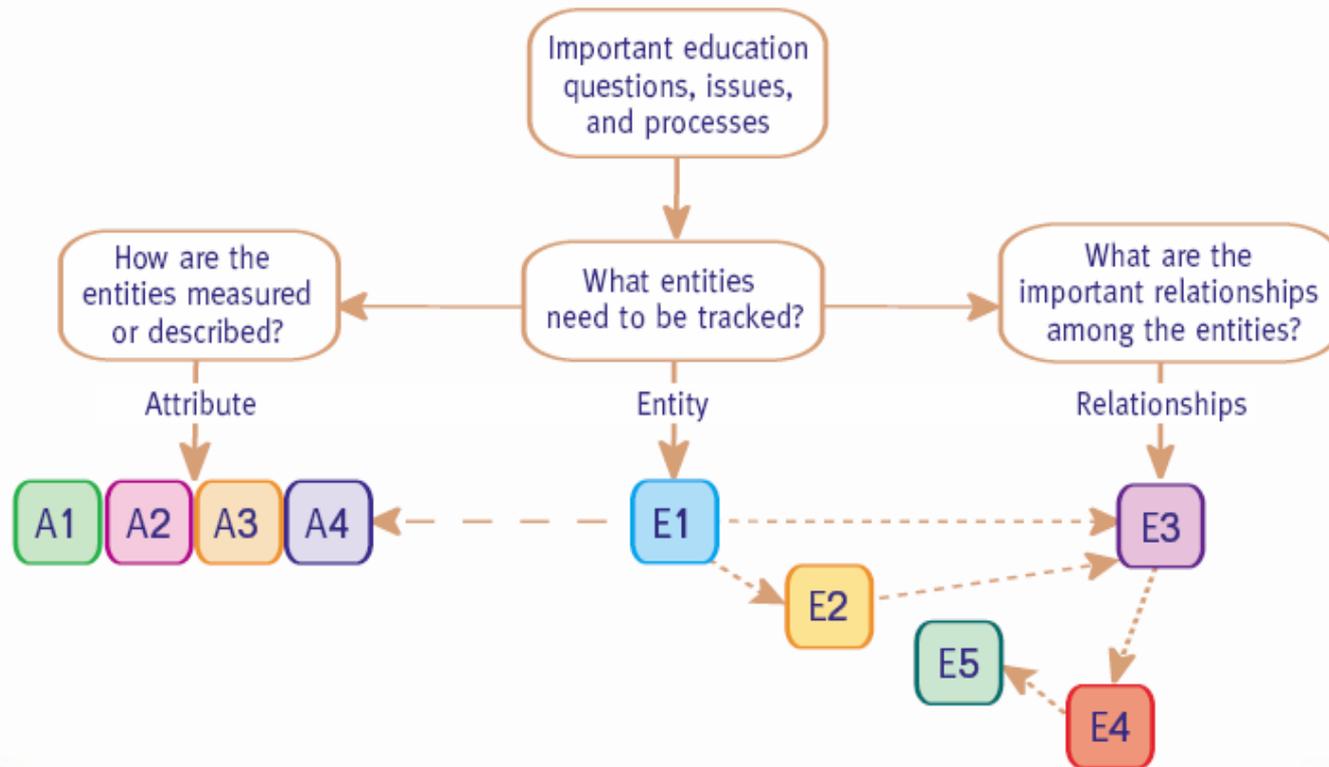


1. So everyone doesn't have to start from scratch.
2. So databases can talk to each other.
3. So we can decide what data we need and how to use it.
4. So we can align with existing definitions, data sets, and reporting requirements.
5. So our data systems support our processes and inform their improvement.

NEDM Initial K12 Framework



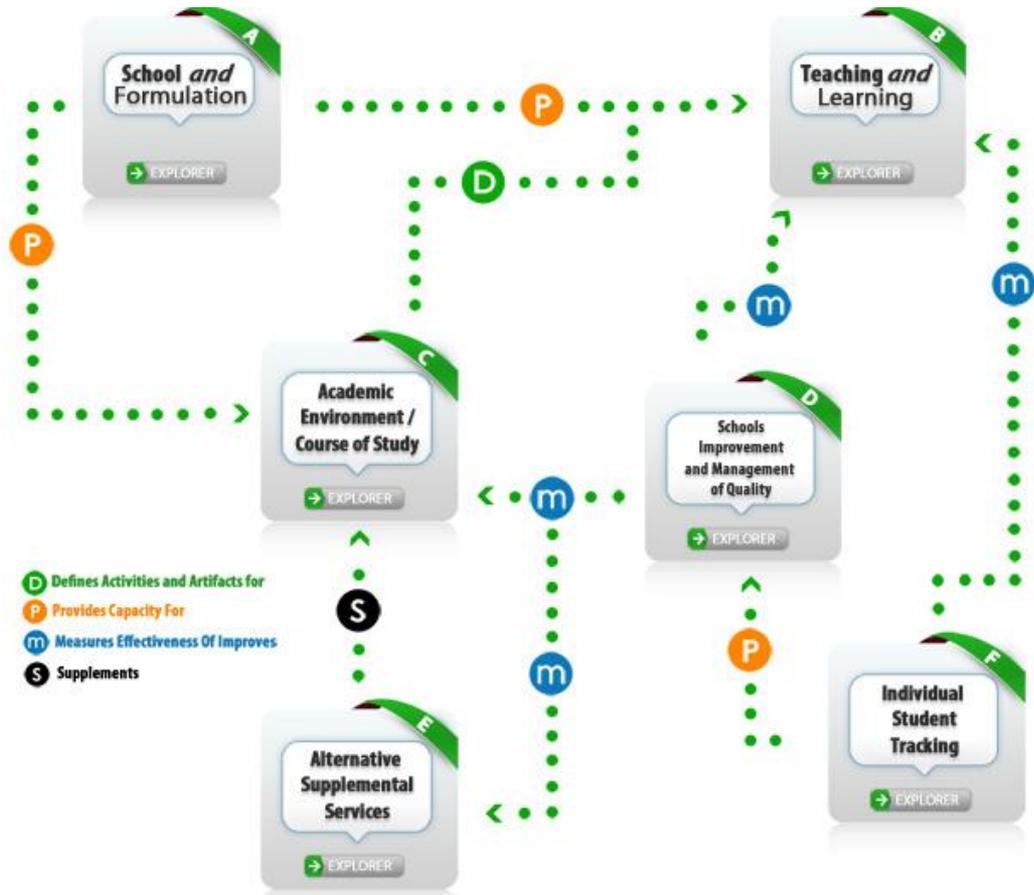
Data Model components



Method: Entity and its Attributes



Core Educational Processes





Two simple questions
 Is the student here today?
 When did the student enroll/withdraw?

...are connected by the NEDM through identifiers and codes to...

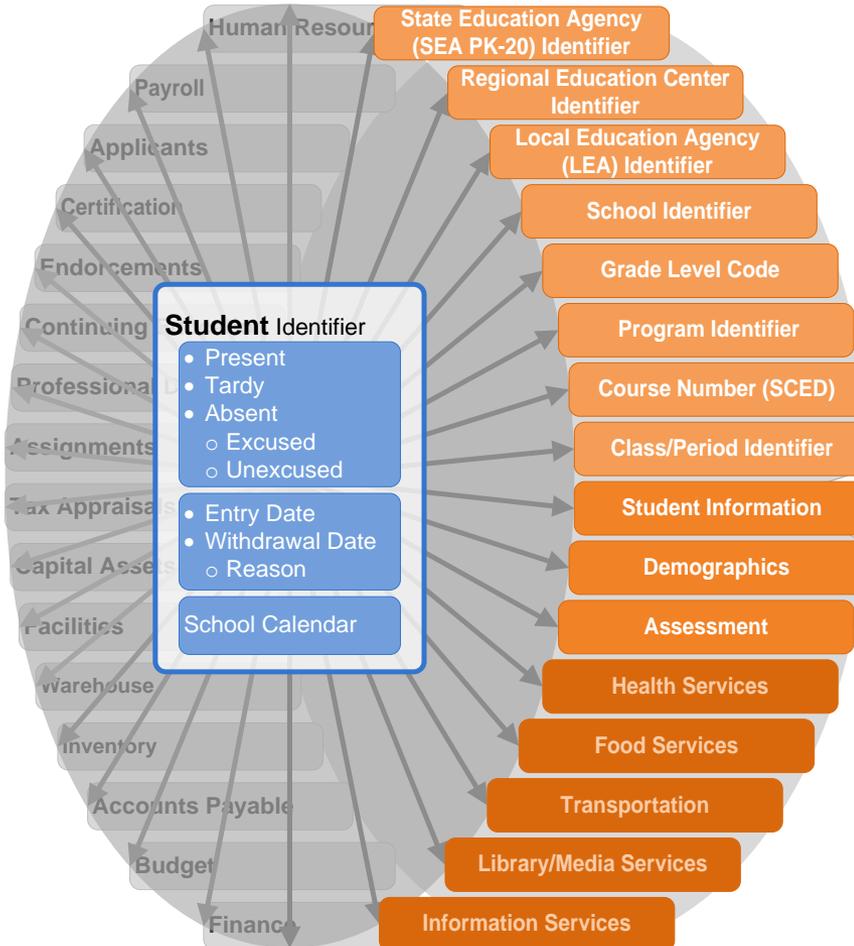
**Multiple complex questions/
 reports/actions**
 Does student count for FAY in AYP?
 Did we meet our attendance goal?

National Education Data Model

Student Attendance Example

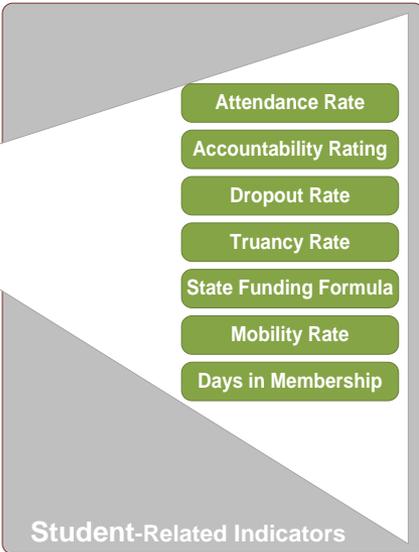
Sources of Elements

- EDEN / EDFacts
- Adequate Yearly Progress (AYP)
- Federal Reports (USED)
- School Interoperability Framework (SIF)
- SEA Longitudinal Data System
- NCES Handbook
- State Accreditation / Annual Report Cards
- PESC HS Transcript
- SCED Course Classification System



Target Audiences

- Public
- Legislature
- Governor's Office
- Chief State School Officer
- State Education Board
- Local School Board
- District Administrator
- School Administrator
- Education Professional
- Education Paraprofessional
- Truant Officer
- AYP/Accountability Reports





Standards Comparison Reports

- EDEN/EDFacts record level elements
- NCES Handbooks
- School Interoperability Framework (SIF) v2r3
- Post-secondary Electronic Standards Council (PESC)
- ARRA assurances
- DQC's ten check points



What's Happening?

- Site visits to validate model and identify best practices.
- Engagement with early childhood service providers and review of their data systems.
- Partnerships with postsecondary groups to identify common data needs.
- Developing a logical model for teaching and learning based on ARTS practice.
- NEDM Version 2.0 due January 2010.



What's being added to NEDM?

- NCES Data Handbooks
- ED, HHS, Ag., and Labor data requirements
- SIFA, PESC, SCORM standards
- Practitioner recommended items (for transcripts, student tracking, bus routes, etc.)
- Primarily K-12
- Working on P20 (B20?)

Landing Page



NATIONAL EDUCATION DATA MODEL

[Home](#)[Technical View](#)[Education View](#)[List Relationships](#)[Advanced](#)

WELCOME to the NEDM Working Site of the USED National Education Data Model (NEDM). This site in no way reflects official USED policy or the final form of the NEDM site. You can find the current official site at <http://nces.ed.gov/forum/datamodel/>.

This working site is a work in progress and is designed to elicit suggestions, comments, and criticism. Please submit any comments to nedm@ccsso.org. Thank you for your contributions and partnership!

Look for our official release of the version 2.0 NEDM site in DECEMBER 2009!

Welcome to the National Education Data Model Website

EFFICIENT DESIGN, OPEN FRAMEWORK... UNIFIED.



Tools & Information

- [HOW TO USE THE DATA MODEL](#)
- [HOW TO BROWSE THE DATA MODEL](#)
- [OVERVIEW OF DATA MODEL CONTENT](#)
- [CONCEPTUAL MODELING SOFTWARE](#)
- [ABOUT THE DATA MODEL](#)

The Education Data Model

The Education Data Model is a conceptual but detailed representation of the education information domain. The Education Data Model strives to be a shared understanding among all education stakeholders as to what information needs to be collected and managed at the local level in order to enable effective instruction of students and superior leadership of schools.

The Education Data Model is a catalogue of the data used in PK-12 education and a description of the relationships among those data. It is designed to be used as a reference tool that can be used to:

- » Facilitate the identification, merging, and matching of data across different systems;
- » Provide similar descriptions across LEA systems, across LEAs, and from LEAs to the state and federal government;

Standards Comparison Report

NEW!

Where Can I Find Out More?



http://nedm.sifassociation.org/datamodel_review/

hugh.walkup@ed.gov

ajackl@gmail.com

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