ENTITIES

1. Students
2. Teachers
3. Courses
4. Grades
5. House
6. School

Relationships

1. Students and teachers (one to many)
2. Students and House (one to one)
3. Students and grades (one to many)
4. Teachers and schools (one to one)
5. Students to schools (one to one)
6. Teacher and courses (one to many)

DESIGN DECISION AND SCHEMA STRUCTURE

Student

- **Student_ID – INTEGER PRIMARY KEY**
- **First Name – Varchar**
- **Last Name- Varchar**
- **House _ID- Integer – Foreign Key**
- **Level – Integer**
- **Grade_ID – INT FOREIGN KEY**

Teacher

- **Teacher_ID – Integer PRIMARY KEY**
- **First Name – Varchar**
- **Last Name – Varchar**
- **Course_ID- Varchar FOREIGN KEY**

Courses

- **Course_ID- INTEGER PRIMARY KEY**
- **Course Name – Varchar**

Grade

- **Grade_ID - INT PRIMARY KEY**
- **Student_ID – INT FOREIGN KEY**
- **Grade – Varchar**

House

- **House_ID –INT PRIMARY KEY**
- **House Name Varchar**

School

- **School_ID – INT PRIMARY KEY**
- **School_Name – Varchar**
- **Address - Varchar**