



Starlight Academy:

- school, 7-12

Student:

- Student number (unique)
- First name, last name, DOB
- Grade entering

Junior High Students (7-9):

- Homeroom

Senior High Students (10-12):

- Track (science, arts, business)

Parent/Guardian:

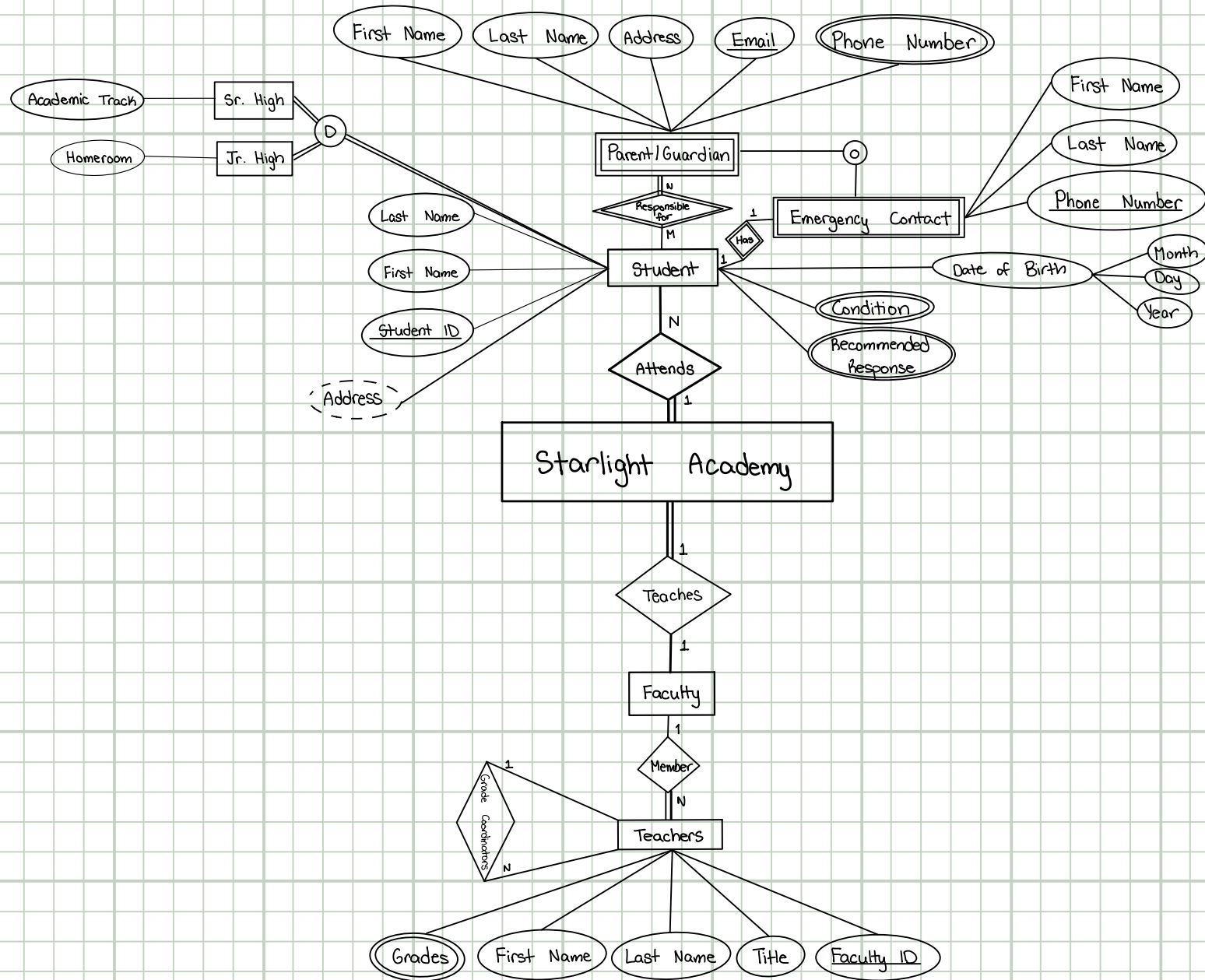
- First name, last name
- Phone number(s)
- Residential address
- Primary email

Emergency Contact:

- First name, last name
- Phone number(s)
- Primary email

Faculty:

- Teachers
- Grades
- First name, last name
- Title
- Faculty ID
- Grade coordinator,
↓
school management





Design Explanation

Entity Type and Key Attribute:

The entity type I have chosen is the student entity, and the key attribute is the student id b/c it allows each student to be uniquely identified. Two students cannot have the same id.

Relationship and Entity Types:

The relationship I have chosen is student and parent/guardian. Each parent/guardian will have one student they are responsible. I have went w/ a 1:N relationship.

Attribute and Derivation:

I have chosen address as a derived attribute b/c a student will have the same address as their parent/guardian.

Assumptions

- Each student has one emergency contact
- students can have more than one parent/guardian
- All teachers belong to the faculty at Starlight Academy (ie. no temps)