

-- WARNING: This schema is for context only and is not meant to be run.
-- Table order and constraints may not be valid for execution.

```
CREATE TABLE public._fn_backup (  
  backed_up_at timestamp with time zone NOT NULL DEFAULT now(),  
  schema_name text NOT NULL,  
  function_name text NOT NULL,  
  identity_args text NOT NULL,  
  definition text NOT NULL  
);  
CREATE TABLE public.achievements (  
  id uuid NOT NULL DEFAULT gen_random_uuid(),  
  code text NOT NULL UNIQUE,  
  name text NOT NULL,  
  description text NOT NULL,  
  icon text,  
  points_value integer NOT NULL DEFAULT 0 CHECK (points_value >= 0),  
  category text NOT NULL CHECK (category = ANY (ARRAY['milestone'::text,  
'consistency'::text, 'focus'::text, 'subject'::text, 'special'::text])),  
  trigger_type text NOT NULL CHECK (trigger_type = ANY (ARRAY['session_count'::text,  
'streak_days'::text, 'focus_session_count'::text, 'subject_session_count'::text,  
'manual'::text])),  
  trigger_threshold integer,  
  sort_order integer NOT NULL DEFAULT 100,  
  is_active boolean NOT NULL DEFAULT true,  
  created_at timestamp with time zone NOT NULL DEFAULT now(),  
  CONSTRAINT achievements_pkey PRIMARY KEY (id)  
);  
CREATE TABLE public.availability_date_overrides (  
  id uuid NOT NULL DEFAULT gen_random_uuid(),  
  child_id uuid NOT NULL,  
  override_date date NOT NULL,  
  override_type text NOT NULL CHECK (override_type = ANY (ARRAY['blocked'::text,  
'extra'::text])),  
  reason text,  
  created_at timestamp with time zone DEFAULT now(),  
  CONSTRAINT availability_date_overrides_pkey PRIMARY KEY (id),  
  CONSTRAINT availability_date_overrides_child_id_fkey FOREIGN KEY (child_id)  
REFERENCES public.children(id)  
);  
CREATE TABLE public.availability_override_slots (  
  id uuid NOT NULL DEFAULT gen_random_uuid(),  
  override_id uuid NOT NULL,  
  time_of_day text NOT NULL CHECK (time_of_day = ANY (ARRAY['early_morning'::text,  
'morning'::text, 'afternoon'::text, 'evening'::text])),  
  session_pattern text NOT NULL CHECK (session_pattern = ANY (ARRAY['p20'::text,  
'p45'::text, 'p70'::text])),
```

```

    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT availability_override_slots_pkey PRIMARY KEY (id),
    CONSTRAINT availability_override_slots_override_id_fkey FOREIGN KEY (override_id)
REFERENCES public.availability_date_overrides(id)
);
CREATE TABLE public.child_achievements (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    achievement_id uuid NOT NULL,
    earned_at timestamp with time zone NOT NULL DEFAULT now(),
    notified boolean NOT NULL DEFAULT false,
    CONSTRAINT child_achievements_pkey PRIMARY KEY (id),
    CONSTRAINT child_achievements_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_achievements_achievement_id_fkey FOREIGN KEY (achievement_id)
REFERENCES public.achievements(id)
);
CREATE TABLE public.child_assessment_scores (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    skill_type_id uuid,
    assessment_type text NOT NULL,
    assessment_name text NOT NULL,
    assessment_provider text,
    assessment_date date NOT NULL,
    raw_score integer,
    max_score integer,
    percentage_score numeric,
    standardised_score integer,
    percentile numeric,
    time_taken_minutes integer,
    notes text,
    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT child_assessment_scores_pkey PRIMARY KEY (id),
    CONSTRAINT child_assessment_scores_child_id_fkey FOREIGN KEY (child_id)
REFERENCES public.children(id),
    CONSTRAINT child_assessment_scores_skill_type_id_fkey FOREIGN KEY (skill_type_id)
REFERENCES public.skill_types(id)
);
CREATE TABLE public.child_daily_voice_usage (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    usage_date date NOT NULL DEFAULT CURRENT_DATE,
    total_minutes_used numeric NOT NULL DEFAULT 0,
    total_interactions integer NOT NULL DEFAULT 0,
    created_at timestamp with time zone NOT NULL DEFAULT now(),
    updated_at timestamp with time zone NOT NULL DEFAULT now(),

```

```

    CONSTRAINT child_daily_voice_usage_pkey PRIMARY KEY (id),
    CONSTRAINT child_daily_voice_usage_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.child_exams (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    subject_id uuid NOT NULL,
    exam_type text NOT NULL CHECK (exam_type = ANY (ARRAY['exam'::text, 'mock'::text])),
    exam_date date NOT NULL,
    exam_time time without time zone,
    paper_name text,
    paper_code text,
    duration_minutes integer,
    location text,
    notes text,
    created_at timestamp with time zone DEFAULT now(),
    updated_at timestamp with time zone DEFAULT now(),
    CONSTRAINT child_exams_pkey PRIMARY KEY (id),
    CONSTRAINT child_exams_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_exams_subject_id_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id)
);
CREATE TABLE public.child_flashcard_progress (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    flashcard_id uuid NOT NULL,
    topic_id uuid NOT NULL,
    status text NOT NULL DEFAULT 'learning'::text CHECK (status = ANY
(ARRAY['learning'::text, 'known'::text])),
    times_seen integer NOT NULL DEFAULT 1,
    times_correct integer NOT NULL DEFAULT 0,
    last_seen_at timestamp with time zone NOT NULL DEFAULT now(),
    next_review_at timestamp with time zone,
    created_at timestamp with time zone NOT NULL DEFAULT now(),
    updated_at timestamp with time zone NOT NULL DEFAULT now(),
    CONSTRAINT child_flashcard_progress_pkey PRIMARY KEY (id),
    CONSTRAINT child_flashcard_progress_child_id_fkey FOREIGN KEY (child_id)
REFERENCES public.children(id),
    CONSTRAINT child_flashcard_progress_flashcard_id_fkey FOREIGN KEY (flashcard_id)
REFERENCES public.content_units(id),
    CONSTRAINT child_flashcard_progress_topic_id_fkey FOREIGN KEY (topic_id)
REFERENCES public.topics(id)
);
CREATE TABLE public.child_goals (
    id uuid NOT NULL DEFAULT gen_random_uuid(),

```

```

child_id uuid NOT NULL UNIQUE,
goal_id uuid NOT NULL,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT child_goals_pkey PRIMARY KEY (id),
CONSTRAINT child_goals_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
CONSTRAINT child_goals_goal_id_fkey FOREIGN KEY (goal_id) REFERENCES
public.goals(id)
);
CREATE TABLE public.child_mnemonic_rollup (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
mnemonic_id uuid NOT NULL,
play_count integer NOT NULL DEFAULT 0,
first_played_at timestamp with time zone NOT NULL DEFAULT now(),
last_played_at timestamp with time zone,
is_favourite boolean NOT NULL DEFAULT false,
downloaded boolean NOT NULL DEFAULT false,
downloaded_at timestamp with time zone,
created_at timestamp with time zone NOT NULL DEFAULT now(),
updated_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT child_mnemonic_rollup_pkey PRIMARY KEY (id),
CONSTRAINT child_mnemonic_rollup_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
CONSTRAINT child_mnemonic_rollup_mnemonic_id_fkey FOREIGN KEY (mnemonic_id)
REFERENCES public.mnemonics(id)
);
CREATE TABLE public.child_mnemonic_usage (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
topic_id uuid NOT NULL,
mnemonic_external_id uuid NOT NULL,
subject text NOT NULL,
level text NOT NULL,
topic_name text NOT NULL,
style text NOT NULL,
audio_url text,
lyrics text,
duration_seconds integer,
play_count integer NOT NULL DEFAULT 0,
first_played_at timestamp with time zone NOT NULL DEFAULT now(),
last_played_at timestamp with time zone,
is_favourite boolean NOT NULL DEFAULT false,
downloaded boolean NOT NULL DEFAULT false,
downloaded_at timestamp with time zone,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT child_mnemonic_usage_pkey PRIMARY KEY (id),

```

```

    CONSTRAINT child_mnemonic_usage_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_mnemonic_usage_topic_id_fkey FOREIGN KEY (topic_id) REFERENCES
public.topics(id)
);
CREATE TABLE public.child_need_clusters (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    cluster_id uuid NOT NULL,
    created_at timestamp with time zone NOT NULL DEFAULT now(),
    source text NOT NULL DEFAULT 'observed'::text CHECK (source = ANY
(ARRAY['formal_diagnosis'::text, 'observed'::text])),
    has_exam_accommodations boolean DEFAULT false,
    accommodation_details text,
    diagnosed_date date,
    parent_notes text,
    pending_assessment boolean DEFAULT false,
    arrangements_approved_date date,
    access_arrangements jsonb,
    notes text,
    updated_at timestamp with time zone NOT NULL DEFAULT now(),
    CONSTRAINT child_need_clusters_pkey PRIMARY KEY (id),
    CONSTRAINT child_need_clusters_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_need_clusters_cluster_id_fkey FOREIGN KEY (cluster_id)
REFERENCES public.need_clusters(id)
);
CREATE TABLE public.child_pathways (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    child_subject_id uuid NOT NULL,
    pathway_id uuid NOT NULL,
    selected_at timestamp with time zone DEFAULT now(),
    CONSTRAINT child_pathways_pkey PRIMARY KEY (id),
    CONSTRAINT child_pathways_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_pathways_child_subject_id_fkey FOREIGN KEY (child_subject_id)
REFERENCES public.child_subjects(id),
    CONSTRAINT child_pathways_pathway_id_fkey FOREIGN KEY (pathway_id) REFERENCES
public.exam_pathways(id)
);
CREATE TABLE public.child_point_config (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid UNIQUE,
    weighting_mode text NOT NULL DEFAULT 'auto'::text CHECK (weighting_mode = ANY
(ARRAY['auto'::text, 'manual'::text])),

```

```

    completion_weight integer DEFAULT 40 CHECK (completion_weight >= 10 AND
completion_weight <= 80),
    accuracy_weight integer DEFAULT 35 CHECK (accuracy_weight >= 10 AND
accuracy_weight <= 80),
    focus_weight integer DEFAULT 25 CHECK (focus_weight >= 10 AND focus_weight <= 80),
    auto_approve_threshold integer DEFAULT 0 CHECK (auto_approve_threshold >= 0),
    created_at timestamp with time zone DEFAULT now(),
    updated_at timestamp with time zone DEFAULT now(),
    goal_reward_id uuid,
    CONSTRAINT child_point_config_pkey PRIMARY KEY (id),
    CONSTRAINT child_point_config_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_point_config_goal_reward_id_fkey FOREIGN KEY (goal_reward_id)
REFERENCES public.child_rewards(id)
);
CREATE TABLE public.child_points (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL UNIQUE,
    points_balance integer NOT NULL DEFAULT 0 CHECK (points_balance >= 0),
    lifetime_points integer NOT NULL DEFAULT 0 CHECK (lifetime_points >= 0),
    created_at timestamp with time zone NOT NULL DEFAULT now(),
    updated_at timestamp with time zone NOT NULL DEFAULT now(),
    CONSTRAINT child_points_pkey PRIMARY KEY (id),
    CONSTRAINT child_points_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.child_rewards (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid,
    category_id uuid,
    template_id uuid,
    name text NOT NULL,
    points_cost integer NOT NULL CHECK (points_cost > 0),
    emoji text,
    is_active boolean DEFAULT true,
    limit_type text CHECK (limit_type IS NULL OR (limit_type = ANY (ARRAY['per_day'::text,
'per_week'::text, 'per_month'::text]))),
    limit_count integer CHECK (limit_count IS NULL OR limit_count > 0),
    created_at timestamp with time zone DEFAULT now(),
    updated_at timestamp with time zone DEFAULT now(),
    CONSTRAINT child_rewards_pkey PRIMARY KEY (id),
    CONSTRAINT child_rewards_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_rewards_category_id_fkey FOREIGN KEY (category_id) REFERENCES
public.reward_categories(id),
    CONSTRAINT child_rewards_template_id_fkey FOREIGN KEY (template_id) REFERENCES
public.reward_templates(id)

```

```

);
CREATE TABLE public.child_session_reflections (
  id uuid NOT NULL DEFAULT gen_random_uuid(),
  child_id uuid NOT NULL,
  revision_session_id uuid,
  audio_url text,
  audio_duration_seconds integer,
  transcription text,
  transcription_status text DEFAULT 'pending'::text CHECK (transcription_status = ANY
(ARRAY['pending'::text, 'processing'::text, 'completed'::text, 'failed'::text])),
  context_type text NOT NULL DEFAULT 'session_reflection'::text CHECK (context_type =
ANY (ARRAY['session_reflection'::text, 'question'::text, 'concern'::text, 'general'::text])),
  created_at timestamp with time zone NOT NULL DEFAULT now(),
  transcribed_at timestamp with time zone,
  transcription_error text,
  text_note text,
  CONSTRAINT child_session_reflections_pkey PRIMARY KEY (id),
  CONSTRAINT child_voice_notes_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
  CONSTRAINT child_voice_notes_revision_session_id_fkey FOREIGN KEY
(revision_session_id) REFERENCES public.revision_sessions(id)
);
CREATE TABLE public.child_settings (
  id uuid NOT NULL DEFAULT gen_random_uuid(),
  child_id uuid NOT NULL UNIQUE,
  settings jsonb NOT NULL DEFAULT '{} '::jsonb,
  created_by uuid,
  created_at timestamp with time zone NOT NULL DEFAULT now(),
  updated_at timestamp with time zone NOT NULL DEFAULT now(),
  CONSTRAINT child_settings_pkey PRIMARY KEY (id),
  CONSTRAINT child_settings_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
  CONSTRAINT child_settings_created_by_fkey FOREIGN KEY (created_by) REFERENCES
auth.users(id)
);
CREATE TABLE public.child_streaks (
  id uuid NOT NULL DEFAULT gen_random_uuid(),
  child_id uuid NOT NULL UNIQUE,
  current_streak integer NOT NULL DEFAULT 0 CHECK (current_streak >= 0),
  longest_streak integer NOT NULL DEFAULT 0 CHECK (longest_streak >= 0),
  last_completed_date date,
  streak_frozen_until date,
  created_at timestamp with time zone NOT NULL DEFAULT now(),
  updated_at timestamp with time zone NOT NULL DEFAULT now(),
  CONSTRAINT child_streaks_pkey PRIMARY KEY (id),
  CONSTRAINT child_streaks_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)

```

```

);
CREATE TABLE public.child_subject_progress (
  child_id uuid NOT NULL,
  subject_id uuid NOT NULL,
  last_topic_order integer NOT NULL DEFAULT 0,
  updated_at timestamp with time zone NOT NULL DEFAULT now(),
  CONSTRAINT child_subject_progress_pkey PRIMARY KEY (child_id, subject_id),
  CONSTRAINT child_subject_progress_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
  CONSTRAINT child_subject_progress_subject_id_fkey FOREIGN KEY (subject_id)
REFERENCES public.subjects(id)
);
CREATE TABLE public.child_subjects (
  id uuid NOT NULL DEFAULT gen_random_uuid(),
  child_id uuid NOT NULL,
  subject_id uuid NOT NULL,
  target_sessions_per_week integer NOT NULL DEFAULT 3,
  priority text NOT NULL DEFAULT 'medium'::text,
  created_at timestamp with time zone DEFAULT now(),
  is_paused boolean DEFAULT false,
  paused_until date,
  pause_reason text,
  sort_order integer NOT NULL DEFAULT 1,
  current_grade text,
  target_grade text,
  grade_confidence text NOT NULL DEFAULT 'confirmed'::text,
  revision_strategy_id uuid,
  updated_at timestamp with time zone DEFAULT now(),
  CONSTRAINT child_subjects_pkey PRIMARY KEY (id),
  CONSTRAINT child_subjects_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
  CONSTRAINT child_subjects_subject_id_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id),
  CONSTRAINT child_subjects_revision_strategy_id_fkey FOREIGN KEY (revision_strategy_id)
REFERENCES public.revision_strategies(id)
);
CREATE TABLE public.child_target_schools (
  id uuid NOT NULL DEFAULT gen_random_uuid(),
  child_id uuid NOT NULL,
  school_id uuid NOT NULL,
  preference_rank integer DEFAULT 1,
  application_status text DEFAULT 'considering'::text,
  notes text,
  created_at timestamp with time zone DEFAULT now(),
  updated_at timestamp with time zone DEFAULT now(),
  CONSTRAINT child_target_schools_pkey PRIMARY KEY (id),

```



```

    CONSTRAINT child_target_schools_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT child_target_schools_school_id_fkey FOREIGN KEY (school_id)
REFERENCES public.schools(id)
);
CREATE TABLE public.children (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    parent_id uuid NOT NULL,
    first_name text NOT NULL,
    avatar_url text,
    created_at timestamp with time zone DEFAULT now(),
    updated_at timestamp with time zone DEFAULT now(),
    year_group integer CHECK (year_group >= 7 AND year_group <= 13),
    revision_state text DEFAULT 'active'::text CHECK (revision_state = ANY
(ARRAY['active'::text, 'paused'::text])),
    revision_paused_until date,
    last_name text,
    nickname text,
    country text,
    email text UNIQUE,
    invitation_code text UNIQUE,
    invitation_sent_at timestamp with time zone,
    invitation_accepted_at timestamp with time zone,
    auth_user_id uuid UNIQUE,
    preferred_name text,
    exam_date date,
    feeling_code text CHECK (feeling_code IS NULL OR (feeling_code = ANY
(ARRAY['feeling_on_track'::text, 'feeling_behind'::text, 'feeling_overwhelmed'::text,
'feeling_crisis'::text])),
    history_code text CHECK (history_code IS NULL OR (history_code = ANY
(ARRAY['history_good'::text, 'history_mixed'::text, 'history_struggled'::text,
'history_first'::text])),
    revision_profile jsonb,
    exam_timeline jsonb,
    revision_profile_updated_at timestamp with time zone,
    active_revision_period_id uuid,
    notification_settings jsonb DEFAULT '{"session_reminders": true, "achievement_alerts":
true}'::jsonb,
    school_name text,
    school_town text,
    school_postcode_prefix text,
    primary_qualification_id uuid,
    target_entry_year integer,
    current_school_year integer,
    CONSTRAINT children_pkey PRIMARY KEY (id),
    CONSTRAINT children_parent_id_fkey FOREIGN KEY (parent_id) REFERENCES
public.profiles(id),

```

```

    CONSTRAINT children_auth_user_id_fkey FOREIGN KEY (auth_user_id) REFERENCES
auth.users(id),
    CONSTRAINT children_active_revision_period_id_fkey FOREIGN KEY
(active_revision_period_id) REFERENCES public.revision_periods(id),
    CONSTRAINT children_primary_qualification_id_fkey FOREIGN KEY
(primary_qualification_id) REFERENCES public.qualifications(id)
);
CREATE TABLE public.components (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    subject_id uuid NOT NULL,
    component_name text NOT NULL,
    component_weighting text,
    created_at timestamp with time zone DEFAULT now(),
    order_index integer NOT NULL DEFAULT 0,
    CONSTRAINT components_pkey PRIMARY KEY (id),
    CONSTRAINT components_subject_id_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id)
);
CREATE TABLE public.content_units (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    subject_id uuid NOT NULL,
    exam_spec_version_id uuid NOT NULL,
    component_id uuid,
    theme_id uuid,
    topic_id uuid NOT NULL,
    content_type USER-DEFINED NOT NULL,
    difficulty smallint NOT NULL DEFAULT 1 CHECK (difficulty >= 1 AND difficulty <= 5),
    estimated_seconds integer NOT NULL DEFAULT 60 CHECK (estimated_seconds >= 10 AND
estimated_seconds <= 3600),
    content_body jsonb NOT NULL DEFAULT '{}::jsonb',
    pedagogy jsonb NOT NULL DEFAULT '{}::jsonb',
    assessment jsonb NOT NULL DEFAULT '{}::jsonb',
    metadata jsonb NOT NULL DEFAULT '{}::jsonb',
    status USER-DEFINED NOT NULL DEFAULT 'active'::content_status_enum,
    created_at timestamp with time zone NOT NULL DEFAULT now(),
    updated_at timestamp with time zone NOT NULL DEFAULT now(),
    source text NOT NULL DEFAULT 'manual'::text,
    marks_available smallint,
    command_word text,
    source_reference text,
    source_type text CHECK (source_type IS NULL OR (source_type = ANY
(ARRAY['past_paper'::text, 'exam_style'::text, 'teacher_created'::text]))),
    pathway_id uuid,
    mark_scheme jsonb,
    common_mistakes ARRAY,
    examiner_notes text,

```

```

archetype text CHECK (archetype IS NULL OR (archetype = ANY (ARRAY['quantitative'::text,
'knowledge_recall'::text, 'discursive'::text, 'language'::text]])),
source_document_id uuid,
mark_scheme_template_id uuid,
skill_type_id uuid,
CONSTRAINT content_units_pkey PRIMARY KEY (id),
CONSTRAINT content_units_subject_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id),
CONSTRAINT content_units_spec_fkey FOREIGN KEY (exam_spec_version_id)
REFERENCES public.exam_spec_versions(id),
CONSTRAINT content_units_topic_fkey FOREIGN KEY (topic_id) REFERENCES
public.topics(id),
CONSTRAINT content_units_component_fkey FOREIGN KEY (component_id) REFERENCES
public.components(id),
CONSTRAINT content_units_theme_fkey FOREIGN KEY (theme_id) REFERENCES
public.themes(id),
CONSTRAINT content_units_pathway_id_fkey FOREIGN KEY (pathway_id) REFERENCES
public.exam_pathways(id),
CONSTRAINT content_units_skill_type_id_fkey FOREIGN KEY (skill_type_id) REFERENCES
public.skill_types(id)
);
CREATE TABLE public.curriculum_staging (
id bigint NOT NULL DEFAULT nextval('curriculum_staging_id_seq'::regclass),
subject_id uuid NOT NULL,
component_name text NOT NULL,
theme_name text NOT NULL,
topic_name text NOT NULL,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT curriculum_staging_pkey PRIMARY KEY (id)
);
CREATE TABLE public.exam_boards (
id uuid NOT NULL DEFAULT gen_random_uuid(),
name text NOT NULL UNIQUE,
code text NOT NULL UNIQUE,
created_at timestamp with time zone DEFAULT now(),
provider_type text,
supported_qualification_codes ARRAY,
CONSTRAINT exam_boards_pkey PRIMARY KEY (id)
);
CREATE TABLE public.exam_papers (
id uuid NOT NULL DEFAULT gen_random_uuid(),
exam_spec_version_id uuid NOT NULL,
paper_code text,
paper_name text NOT NULL,
duration_minutes integer CHECK (duration_minutes IS NULL OR duration_minutes >= 10
AND duration_minutes <= 600),
weighting_percent numeric,

```

```

notes text,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT exam_papers_pkey PRIMARY KEY (id),
CONSTRAINT exam_papers_spec_fkey FOREIGN KEY (exam_spec_version_id)
REFERENCES public.exam_spec_versions(id)
);
CREATE TABLE public.exam_pathways (
id uuid NOT NULL DEFAULT gen_random_uuid(),
subject_id uuid,
pathway_code text NOT NULL,
pathway_name text NOT NULL,
parent_pathway_id uuid,
is_required_choice boolean DEFAULT false,
display_order smallint DEFAULT 0,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT exam_pathways_pkey PRIMARY KEY (id),
CONSTRAINT exam_pathways_subject_id_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id),
CONSTRAINT exam_pathways_parent_pathway_id_fkey FOREIGN KEY (parent_pathway_id)
REFERENCES public.exam_pathways(id)
);
CREATE TABLE public.exam_spec_versions (
id uuid NOT NULL DEFAULT gen_random_uuid(),
subject_id uuid NOT NULL,
spec_version text NOT NULL,
effective_from date,
effective_to date,
is_current boolean NOT NULL DEFAULT false,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT exam_spec_versions_pkey PRIMARY KEY (id),
CONSTRAINT exam_spec_versions_subject_id_fkey FOREIGN KEY (subject_id)
REFERENCES public.subjects(id)
);
CREATE TABLE public.goals (
id uuid NOT NULL DEFAULT gen_random_uuid(),
code text NOT NULL UNIQUE,
name text NOT NULL,
description text,
affects_planning boolean NOT NULL DEFAULT true,
sort_order integer NOT NULL DEFAULT 100,
created_at timestamp with time zone NOT NULL DEFAULT now(),
updated_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT goals_pkey PRIMARY KEY (id)
);
CREATE TABLE public.grade_scales (
id uuid NOT NULL DEFAULT gen_random_uuid(),
exam_board_id uuid,

```

```

scale_type text NOT NULL CHECK (scale_type = ANY (ARRAY['numeric'::text, 'letter'::text])),
grades jsonb NOT NULL,
pass_grade text NOT NULL,
created_at timestamp with time zone DEFAULT now(),
score_min integer,
score_max integer,
score_mean integer,
is_score_based boolean DEFAULT false,
qualification_id uuid NOT NULL,
CONSTRAINT grade_scales_pkey PRIMARY KEY (id),
CONSTRAINT grade_scales_exam_board_id_fkey FOREIGN KEY (exam_board_id)
REFERENCES public.exam_boards(id),
CONSTRAINT grade_scales_qualification_id_fkey FOREIGN KEY (qualification_id)
REFERENCES public.qualifications(id)
);
CREATE TABLE public.mark_scheme_templates (
id uuid NOT NULL DEFAULT gen_random_uuid(),
exam_board_id uuid NOT NULL,
template_code text NOT NULL,
name text NOT NULL,
description text,
schema_template jsonb NOT NULL,
example jsonb,
accept_term text DEFAULT 'Accept'::text,
reject_term text DEFAULT 'Do not accept'::text,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT mark_scheme_templates_pkey PRIMARY KEY (id),
CONSTRAINT mark_scheme_templates_exam_board_id_fkey FOREIGN KEY
(exam_board_id) REFERENCES public.exam_boards(id)
);
CREATE TABLE public.milestones (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
title text NOT NULL,
description text,
milestone_date date NOT NULL,
milestone_type text NOT NULL DEFAULT 'other'::text,
subjects ARRAY DEFAULT '{}'::text[],
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT milestones_pkey PRIMARY KEY (id),
CONSTRAINT milestones_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.mnemonic_favourites (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
mnemonic_id uuid NOT NULL,

```

```

    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT mnemonic_favourites_pkey PRIMARY KEY (id),
    CONSTRAINT mnemonic_favourites_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.mnemonic_plays (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    mnemonic_id uuid NOT NULL,
    session_id uuid,
    source text,
    played_at timestamp with time zone DEFAULT now(),
    completed boolean DEFAULT false,
    play_duration_seconds integer,
    CONSTRAINT mnemonic_plays_pkey PRIMARY KEY (id),
    CONSTRAINT mnemonic_plays_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.mnemonic_requests (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    original_prompt text NOT NULL,
    parsed_topic text,
    parsed_style text,
    parsed_type text,
    subject text,
    level text,
    exam_board text,
    mnemonic_id uuid,
    was_cached boolean DEFAULT false,
    status text DEFAULT 'pending'::text CHECK (status = ANY (ARRAY['pending'::text,
'processing'::text, 'completed'::text, 'failed'::text])),
    error_message text,
    requested_at timestamp with time zone DEFAULT now(),
    completed_at timestamp with time zone,
    topic_id uuid,
    topic_name text,
    style text,
    CONSTRAINT mnemonic_requests_pkey PRIMARY KEY (id),
    CONSTRAINT mnemonic_requests_mnemonic_id_fkey FOREIGN KEY (mnemonic_id)
REFERENCES public.mnemonics(id),
    CONSTRAINT mnemonic_requests_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT mnemonic_requests_topic_id_fkey FOREIGN KEY (topic_id) REFERENCES
public.topics(id)
);
CREATE TABLE public.mnemonics (

```

```

id uuid NOT NULL DEFAULT gen_random_uuid(),
external_id uuid UNIQUE,
subject text NOT NULL,
level text NOT NULL,
exam_board text,
topic_id uuid,
topic_name text,
style text NOT NULL,
lyrics text,
audio_url text,
duration_seconds integer,
created_at timestamp with time zone NOT NULL DEFAULT now(),
style_reference text,
content_summary text,
status text,
error_message text,
error_code text,
completed_at timestamp with time zone,
updated_at timestamp with time zone,
CONSTRAINT mnemonics_pkey PRIMARY KEY (id),
CONSTRAINT mnemonics_topic_id_fkey FOREIGN KEY (topic_id) REFERENCES
public.topics(id)
);
CREATE TABLE public.need_areas (
code USER-DEFINED NOT NULL,
name text NOT NULL,
description text,
helper_text text,
sort_order integer DEFAULT 0,
is_jcq_recognised boolean DEFAULT true,
CONSTRAINT need_areas_pkey PRIMARY KEY (code)
);
CREATE TABLE public.need_clusters (
id uuid NOT NULL DEFAULT gen_random_uuid(),
code text NOT NULL UNIQUE,
name text NOT NULL,
description text,
sort_order integer,
created_at timestamp with time zone NOT NULL DEFAULT now(),
typical_behaviours ARRAY,
is_active boolean NOT NULL DEFAULT true,
typically_has_accommodations boolean DEFAULT false,
category text DEFAULT 'learning'::text CHECK (category = ANY (ARRAY['learning'::text,
'attention'::text, 'emotional'::text, 'exam_specific'::text, 'study_skills'::text])),
jqc_area USER-DEFINED,
condition_name text,
parent_friendly_name text,

```

```

example_signs ARRAY,
common_arrangements ARRAY,
is_jcq_recognised boolean NOT NULL DEFAULT true,
CONSTRAINT need_clusters_pkey PRIMARY KEY (id)
);
CREATE TABLE public.physics_staging (
id bigint NOT NULL DEFAULT nextval('physics_staging_id_seq'::regclass),
subject_id uuid NOT NULL,
component_name text NOT NULL,
theme_name text NOT NULL,
topic_name text NOT NULL,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT physics_staging_pkey PRIMARY KEY (id)
);
CREATE TABLE public.plan_config_multipliers (
id uuid NOT NULL DEFAULT gen_random_uuid(),
config_key text NOT NULL UNIQUE,
config_value numeric NOT NULL,
description text,
category text DEFAULT 'general'::text,
created_at timestamp with time zone DEFAULT now(),
updated_at timestamp with time zone DEFAULT now(),
CONSTRAINT plan_config_multipliers_pkey PRIMARY KEY (id)
);
CREATE TABLE public.planned_sessions (
id uuid NOT NULL DEFAULT gen_random_uuid(),
plan_id uuid NOT NULL,
child_id uuid NOT NULL,
session_date date NOT NULL,
day_of_week text NOT NULL,
session_pattern USER-DEFINED NOT NULL,
session_duration_minutes integer NOT NULL CHECK (session_duration_minutes > 0 AND
session_duration_minutes <= 180),
subject_id uuid NOT NULL,
topic_ids ARRAY NOT NULL DEFAULT '{}'::uuid[],
status USER-DEFINED NOT NULL DEFAULT 'planned'::planned_session_status,
generated_payload jsonb NOT NULL DEFAULT '{}'::jsonb,
created_at timestamp with time zone NOT NULL DEFAULT now(),
updated_at timestamp with time zone NOT NULL DEFAULT now(),
session_index integer NOT NULL DEFAULT 1,
started_at timestamp with time zone,
completed_at timestamp with time zone,
exam_spec_version_id uuid,
CONSTRAINT planned_sessions_pkey PRIMARY KEY (id),
CONSTRAINT planned_sessions_plan_id_fkey FOREIGN KEY (plan_id) REFERENCES
public.revision_plans(id),

```



```

    CONSTRAINT planned_sessions_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT planned_sessions_subject_id_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id),
    CONSTRAINT planned_sessions_exam_spec_version_id_fkey FOREIGN KEY
(exam_spec_version_id) REFERENCES public.exam_spec_versions(id)
);
CREATE TABLE public.point_transactions (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    points integer NOT NULL,
    reason text NOT NULL CHECK (reason = ANY (ARRAY['session_complete'::text,
'focus_mode_bonus'::text, 'streak_bonus'::text, 'achievement_unlock'::text,
'manual_adjustment'::text])),
    source_type text NOT NULL CHECK (source_type = ANY (ARRAY['revision_session'::text,
'achievement'::text, 'streak'::text, 'bonus'::text, 'manual'::text])),
    source_id uuid,
    created_at timestamp with time zone NOT NULL DEFAULT now(),
    weighted_breakdown jsonb,
    CONSTRAINT point_transactions_pkey PRIMARY KEY (id),
    CONSTRAINT point_transactions_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.profiles (
    id uuid NOT NULL,
    email text NOT NULL UNIQUE,
    full_name text NOT NULL,
    created_at timestamp with time zone DEFAULT now(),
    updated_at timestamp with time zone DEFAULT now(),
    role USER-DEFINED NOT NULL DEFAULT 'parent'::user_role,
    country text,
    avatar_url text,
    phone text,
    address_line1 text,
    address_line2 text,
    city text,
    postcode text,
    timezone text DEFAULT 'Europe/London'::text,
    notification_settings jsonb DEFAULT '{"weekly_summary": true, "session_reminders": true,
"achievement_alerts": true, "insights_available": true}':jsonb,
    analytics_sharing jsonb DEFAULT '{"scope": "county", "enabled": false, "children": []}':jsonb,
    share_anonymised_data boolean DEFAULT false,
    insights_widget_config jsonb DEFAULT '[{"id": "hero-story", "order": 0, "enabled": true}, {"id":
"progress-plan", "order": 1, "enabled": true}, {"id": "confidence-trend", "order": 2, "enabled":
true}, {"id": "focus-impact", "order": 3, "enabled": true}, {"id": "momentum", "order": 4,
"enabled": true}, {"id": "building-confidence", "order": 5, "enabled": true}, {"id": "needs-
attention", "order": 6, "enabled": true}, {"id": "subject-balance", "order": 7, "enabled": true},

```

```

{"id": "confidence-heatmap", "order": 8, "enabled": true}, {"id": "tutor-advice", "order": 9,
"enabled": true}]]::jsonb,
    CONSTRAINT profiles_pkey PRIMARY KEY (id),
    CONSTRAINT parents_id_fkey FOREIGN KEY (id) REFERENCES auth.users(id)
);
CREATE TABLE public.qualifications (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    code text NOT NULL UNIQUE,
    name text NOT NULL,
    display_name text,
    grade_type text NOT NULL DEFAULT 'numeric'::text,
    grade_scale text,
    country_origin text DEFAULT 'UK'::text,
    is_active boolean DEFAULT true,
    sort_order integer DEFAULT 0,
    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT qualifications_pkey PRIMARY KEY (id)
);
CREATE TABLE public.revision_periods (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    start_date date NOT NULL,
    end_date date NOT NULL,
    contingency_percent integer DEFAULT 10 CHECK (contingency_percent >= 0 AND
contingency_percent <= 50),
    feeling_code text CHECK (feeling_code IS NULL OR (feeling_code = ANY
(ARRAY['feeling_on_track'::text, 'feeling_behind'::text, 'feeling_overwhelmed'::text,
'feeling_crisis'::text]))),
    history_code text CHECK (history_code IS NULL OR (history_code = ANY
(ARRAY['history_good'::text, 'history_mixed'::text, 'history_struggled'::text,
'history_first'::text]))),
    is_active boolean DEFAULT true,
    created_at timestamp with time zone DEFAULT now(),
    updated_at timestamp with time zone DEFAULT now(),
    CONSTRAINT revision_periods_pkey PRIMARY KEY (id),
    CONSTRAINT revision_periods_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.revision_plans (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    start_date date NOT NULL,
    end_date date NOT NULL,
    exam_timeline text,
    status USER-DEFINED NOT NULL DEFAULT 'active'::plan_status,
    settings_snapshot jsonb NOT NULL DEFAULT '{}'::jsonb,
    created_at timestamp with time zone NOT NULL DEFAULT now(),

```

```

updated_at timestamp with time zone NOT NULL DEFAULT now(),
revision_profile jsonb DEFAULT '{}':jsonb,
CONSTRAINT revision_plans_pkey PRIMARY KEY (id),
CONSTRAINT revision_plans_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.revision_schedules (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
day_of_week text NOT NULL CHECK (day_of_week = ANY (ARRAY['monday':text,
'tuesday':text, 'wednesday':text, 'thursday':text, 'friday':text, 'saturday':text,
'sunday':text])),
session_duration_minutes integer NOT NULL DEFAULT 15 CHECK
(session_duration_minutes > 0 AND session_duration_minutes <= 180),
is_active boolean DEFAULT true,
created_at timestamp with time zone DEFAULT now(),
updated_at timestamp with time zone DEFAULT now(),
session_pattern USER-DEFINED NOT NULL,
slot_index integer NOT NULL DEFAULT 1,
CONSTRAINT revision_schedules_pkey PRIMARY KEY (id),
CONSTRAINT revision_schedules_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id)
);
CREATE TABLE public.revision_session_steps (
id uuid NOT NULL DEFAULT gen_random_uuid(),
revision_session_id uuid NOT NULL,
step_key text NOT NULL CHECK (step_key = ANY (ARRAY['preview':text, 'recall':text,
'reinforce':text, 'practice':text, 'summary':text, 'complete':text])),
status text NOT NULL DEFAULT 'not_started':text CHECK (status = ANY
(ARRAY['not_started':text, 'in_progress':text, 'completed':text])),
started_at timestamp with time zone,
completed_at timestamp with time zone,
payload jsonb NOT NULL DEFAULT '{}':jsonb,
created_at timestamp with time zone NOT NULL DEFAULT now(),
updated_at timestamp with time zone NOT NULL DEFAULT now(),
current_item_index integer NOT NULL DEFAULT 0,
total_items integer NOT NULL DEFAULT 0,
answer_summary jsonb NOT NULL DEFAULT '{}':jsonb,
step_index integer,
CONSTRAINT revision_session_steps_pkey PRIMARY KEY (id),
CONSTRAINT revision_session_steps_revision_session_id_fkey FOREIGN KEY
(revision_session_id) REFERENCES public.revision_sessions(id)
);
CREATE TABLE public.revision_sessions (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
subject_id uuid NOT NULL,

```

```

topic_id uuid,
session_date timestamp with time zone DEFAULT now(),
duration_minutes integer NOT NULL DEFAULT 15,
confidence_level text NOT NULL DEFAULT 'on_track'::text,
notes text,
completed boolean DEFAULT false,
created_at timestamp with time zone DEFAULT now(),
planned_session_id uuid UNIQUE,
completed_at timestamp with time zone,
status text NOT NULL DEFAULT 'created'::text CHECK (status = ANY (ARRAY['created'::text,
'in_progress'::text, 'completed'::text, 'abandoned'::text])) NOT VALID),
started_at timestamp with time zone,
current_step text,
current_step_index integer NOT NULL DEFAULT 0,
current_item_index integer NOT NULL DEFAULT 0,
payload_version integer NOT NULL DEFAULT 1,
current_topic_index integer NOT NULL DEFAULT 0,
total_topics integer NOT NULL DEFAULT 1,
focus_mode_requested boolean NOT NULL DEFAULT false,
focus_mode_active boolean NOT NULL DEFAULT false,
focus_mode_overridden boolean NOT NULL DEFAULT false,
focus_mode_duration_minutes integer,
pre_confidence_level text,
focus_mode_enabled boolean DEFAULT false,
focus_score numeric,
CONSTRAINT revision_sessions_pkey PRIMARY KEY (id),
CONSTRAINT revision_sessions_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
CONSTRAINT revision_sessions_subject_id_fkey FOREIGN KEY (subject_id) REFERENCES
public.subjects(id),
CONSTRAINT revision_sessions_topic_id_fkey FOREIGN KEY (topic_id) REFERENCES
public.topics(id),
CONSTRAINT revision_sessions_planned_session_id_fkey FOREIGN KEY
(planned_session_id) REFERENCES public.planned_sessions(id)
);
CREATE TABLE public.revision_strategies (
id uuid NOT NULL DEFAULT gen_random_uuid(),
code text NOT NULL UNIQUE,
name text NOT NULL,
description text,
min_difficulty smallint NOT NULL DEFAULT 1 CHECK (min_difficulty >= 1 AND min_difficulty
<= 5),
max_difficulty smallint NOT NULL DEFAULT 5 CHECK (max_difficulty >= 1 AND
max_difficulty <= 5),
preferred_difficulty smallint NOT NULL DEFAULT 3 CHECK (preferred_difficulty >= 1 AND
preferred_difficulty <= 5),
min_marks smallint DEFAULT 1,

```

```

max_marks smallint DEFAULT 6,
prefer_low_mark_questions boolean DEFAULT false,
preferred_archetypes ARRAY DEFAULT '{}':text[],
avoid_archetypes ARRAY DEFAULT '{}':text[],
max_cognitive_level smallint DEFAULT 6,
target_grade_bands ARRAY DEFAULT ARRAY['foundation':text, 'crossover':text,
'higher':text],
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT revision_strategies_pkey PRIMARY KEY (id)
);
CREATE TABLE public.reward_addition_requests (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
template_id uuid NOT NULL,
status text NOT NULL DEFAULT 'pending':text CHECK (status = ANY
(ARRAY['pending':text, 'approved':text, 'declined':text])),
requested_at timestamp with time zone NOT NULL DEFAULT now(),
resolved_at timestamp with time zone,
resolved_by uuid,
parent_note text,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT reward_addition_requests_pkey PRIMARY KEY (id),
CONSTRAINT reward_addition_requests_child_id_fkey FOREIGN KEY (child_id)
REFERENCES public.children(id),
CONSTRAINT reward_addition_requests_template_id_fkey FOREIGN KEY (template_id)
REFERENCES public.reward_templates(id),
CONSTRAINT reward_addition_requests_resolved_by_fkey FOREIGN KEY (resolved_by)
REFERENCES auth.users(id)
);
CREATE TABLE public.reward_categories (
id uuid NOT NULL DEFAULT gen_random_uuid(),
code text NOT NULL UNIQUE,
name text NOT NULL,
icon text NOT NULL,
display_order integer NOT NULL,
is_active boolean DEFAULT true,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT reward_categories_pkey PRIMARY KEY (id)
);
CREATE TABLE public.reward_redemptions (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid,
reward_id uuid,
reward_name text NOT NULL,
points_cost integer NOT NULL,
status text NOT NULL DEFAULT 'pending':text CHECK (status = ANY
(ARRAY['pending':text, 'approved':text, 'declined':text, 'cancelled':text, 'expired':text])),

```

```

requested_at timestamp with time zone DEFAULT now(),
expires_at timestamp with time zone DEFAULT (now() + '7 days'::interval),
resolved_at timestamp with time zone,
resolved_by uuid,
decline_reason text,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT reward_redemptions_pkey PRIMARY KEY (id),
CONSTRAINT reward_redemptions_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
CONSTRAINT reward_redemptions_reward_id_fkey FOREIGN KEY (reward_id)
REFERENCES public.child_rewards(id),
CONSTRAINT reward_redemptions_resolved_by_fkey FOREIGN KEY (resolved_by)
REFERENCES public.profiles(id)
);
CREATE TABLE public.reward_templates (
id uuid NOT NULL DEFAULT gen_random_uuid(),
category_id uuid,
name text NOT NULL,
suggested_points integer NOT NULL,
display_order integer NOT NULL,
is_active boolean DEFAULT true,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT reward_templates_pkey PRIMARY KEY (id),
CONSTRAINT reward_templates_category_id_fkey FOREIGN KEY (category_id)
REFERENCES public.reward_categories(id)
);
CREATE TABLE public.schools (
id uuid NOT NULL DEFAULT gen_random_uuid(),
name text NOT NULL,
school_type text NOT NULL,
region text,
local_authority text,
test_provider text,
test_date_typical text,
website_url text,
notes text,
is_active boolean DEFAULT true,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT schools_pkey PRIMARY KEY (id)
);
CREATE TABLE public.skill_types (
id uuid NOT NULL DEFAULT gen_random_uuid(),
code text NOT NULL UNIQUE,
name text NOT NULL,
description text,
applicable_qualifications ARRAY DEFAULT ARRAY['11plus'::text],
sort_order integer DEFAULT 0,

```

```

    created_at timestamp with time zone DEFAULT now(),
    CONSTRAINT skill_types_pkey PRIMARY KEY (id)
);
CREATE TABLE public.strategy_overrides (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    session_id uuid,
    auto_strategy_code text NOT NULL,
    override_strategy_code text NOT NULL,
    override_reason text,
    override_type text NOT NULL CHECK (override_type = ANY (ARRAY['easier'::text,
'harder'::text, 'shorter'::text, 'different'::text])),
    created_at timestamp with time zone DEFAULT now(),
    expires_at timestamp with time zone,
    parent_viewed_at timestamp with time zone,
    parent_acknowledged boolean DEFAULT false,
    parent_notes text,
    CONSTRAINT strategy_overrides_pkey PRIMARY KEY (id),
    CONSTRAINT strategy_overrides_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
    CONSTRAINT strategy_overrides_session_id_fkey FOREIGN KEY (session_id) REFERENCES
public.revision_sessions(id)
);
CREATE TABLE public.study_buddy_learning_notes (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    child_id uuid NOT NULL,
    subject_id uuid NOT NULL,
    notes_text text NOT NULL DEFAULT ''::text,
    common_struggles jsonb DEFAULT '[]'::jsonb,
    effective_explanations jsonb DEFAULT '[]'::jsonb,
    updated_at timestamp with time zone NOT NULL DEFAULT now(),
    CONSTRAINT study_buddy_learning_notes_pkey PRIMARY KEY (id),
    CONSTRAINT study_buddy_learning_notes_child_id_fkey FOREIGN KEY (child_id)
REFERENCES public.children(id),
    CONSTRAINT study_buddy_learning_notes_subject_id_fkey FOREIGN KEY (subject_id)
REFERENCES public.subjects(id)
);
CREATE TABLE public.study_buddy_messages (
    id uuid NOT NULL DEFAULT gen_random_uuid(),
    thread_id uuid NOT NULL,
    role text NOT NULL CHECK (role = ANY (ARRAY['child'::text, 'buddy'::text, 'system'::text])),
    input_mode text CHECK (input_mode = ANY (ARRAY['voice'::text, 'text'::text])),
    content_text text NOT NULL,
    step_key text,
    content_type text,
    content_unit_id uuid,
    topic_id uuid,

```

```

latency_ms integer,
voice_duration_seconds numeric,
token_count integer,
created_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT study_buddy_messages_pkey PRIMARY KEY (id),
CONSTRAINT study_buddy_messages_thread_id_fkey FOREIGN KEY (thread_id)
REFERENCES public.study_buddy_threads(id),
CONSTRAINT study_buddy_messages_topic_id_fkey FOREIGN KEY (topic_id)
REFERENCES public.topics(id)
);
CREATE TABLE public.study_buddy_thread_summaries (
thread_id uuid NOT NULL,
summary_text text NOT NULL DEFAULT ' '::text,
misconceptions_noted jsonb DEFAULT '[] '::jsonb,
helpful_approaches jsonb DEFAULT '[] '::jsonb,
updated_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT study_buddy_thread_summaries_pkey PRIMARY KEY (thread_id),
CONSTRAINT study_buddy_thread_summaries_thread_id_fkey FOREIGN KEY (thread_id)
REFERENCES public.study_buddy_threads(id)
);
CREATE TABLE public.study_buddy_threads (
id uuid NOT NULL DEFAULT gen_random_uuid(),
child_id uuid NOT NULL,
revision_session_id uuid NOT NULL UNIQUE,
planned_session_id uuid,
subject_id uuid,
message_count integer NOT NULL DEFAULT 0,
voice_minutes_used numeric NOT NULL DEFAULT 0,
created_at timestamp with time zone NOT NULL DEFAULT now(),
last_active_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT study_buddy_threads_pkey PRIMARY KEY (id),
CONSTRAINT study_buddy_threads_child_id_fkey FOREIGN KEY (child_id) REFERENCES
public.children(id),
CONSTRAINT study_buddy_threads_revision_session_id_fkey FOREIGN KEY
(revision_session_id) REFERENCES public.revision_sessions(id),
CONSTRAINT study_buddy_threads_planned_session_id_fkey FOREIGN KEY
(planned_session_id) REFERENCES public.planned_sessions(id),
CONSTRAINT study_buddy_threads_subject_id_fkey FOREIGN KEY (subject_id)
REFERENCES public.subjects(id)
);
CREATE TABLE public.study_buddy_voice_sessions (
id uuid NOT NULL DEFAULT gen_random_uuid(),
thread_id uuid NOT NULL,
provider text NOT NULL DEFAULT 'elevenlabs'::text,
elevenlabs_conversation_id text,
started_at timestamp with time zone NOT NULL DEFAULT now(),
ended_at timestamp with time zone,

```



```

duration_seconds numeric,
status text NOT NULL DEFAULT 'active'::text CHECK (status = ANY (ARRAY['active'::text,
'completed'::text, 'error'::text])),
CONSTRAINT study_buddy_voice_sessions_pkey PRIMARY KEY (id),
CONSTRAINT study_buddy_voice_sessions_thread_id_fkey FOREIGN KEY (thread_id)
REFERENCES public.study_buddy_threads(id)
);
CREATE TABLE public.subjects (
id uuid NOT NULL DEFAULT gen_random_uuid(),
subject_name text NOT NULL,
exam_board_id uuid NOT NULL,
icon text NOT NULL DEFAULT 'book'::text,
color text NOT NULL DEFAULT '#7C3AED'::text,
created_at timestamp with time zone DEFAULT now(),
code text NOT NULL,
updated_at timestamp with time zone NOT NULL DEFAULT now(),
requires_pathway_selection boolean DEFAULT false,
spec_code text,
qualification_id uuid NOT NULL,
slug text,
CONSTRAINT subjects_pkey PRIMARY KEY (id),
CONSTRAINT subjects_exam_board_id_fkey FOREIGN KEY (exam_board_id) REFERENCES
public.exam_boards(id),
CONSTRAINT subjects_qualification_id_fkey FOREIGN KEY (qualification_id) REFERENCES
public.qualifications(id)
);
CREATE TABLE public.themes (
id uuid NOT NULL DEFAULT gen_random_uuid(),
component_id uuid NOT NULL,
theme_name text NOT NULL,
created_at timestamp with time zone DEFAULT now(),
order_index integer NOT NULL DEFAULT 0,
CONSTRAINT themes_pkey PRIMARY KEY (id),
CONSTRAINT themes_component_id_fkey FOREIGN KEY (component_id) REFERENCES
public.components(id)
);
CREATE TABLE public.tier_systems (
id uuid NOT NULL DEFAULT gen_random_uuid(),
code text NOT NULL UNIQUE,
name text NOT NULL,
description text,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT tier_systems_pkey PRIMARY KEY (id)
);
CREATE TABLE public.tiers (
id uuid NOT NULL DEFAULT gen_random_uuid(),
tier_system_id uuid NOT NULL,

```

```

code text NOT NULL,
name text NOT NULL,
grade_cap text,
grade_floor text,
sort_order integer DEFAULT 0,
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT tiers_pkey PRIMARY KEY (id),
CONSTRAINT tiers_tier_system_id_fkey FOREIGN KEY (tier_system_id) REFERENCES
public.tier_systems(id)
);
CREATE TABLE public.topics (
id uuid NOT NULL DEFAULT gen_random_uuid(),
topic_name text NOT NULL,
created_at timestamp with time zone DEFAULT now(),
theme_id uuid NOT NULL,
order_index integer NOT NULL DEFAULT 0,
canonical_code text,
skill_type_id uuid,
CONSTRAINT topics_pkey PRIMARY KEY (id),
CONSTRAINT topics_theme_id_fkey FOREIGN KEY (theme_id) REFERENCES
public.themes(id),
CONSTRAINT topics_skill_type_id_fkey FOREIGN KEY (skill_type_id) REFERENCES
public.skill_types(id)
);
CREATE TABLE public.voice_quota_config (
id uuid NOT NULL DEFAULT gen_random_uuid(),
tier_code text NOT NULL UNIQUE,
voice_enabled boolean NOT NULL DEFAULT false,
max_voice_minutes_per_session numeric NOT NULL DEFAULT 0,
max_voice_minutes_per_day numeric NOT NULL DEFAULT 0,
max_voice_interactions_per_session integer NOT NULL DEFAULT 0,
created_at timestamp with time zone NOT NULL DEFAULT now(),
updated_at timestamp with time zone NOT NULL DEFAULT now(),
CONSTRAINT voice_quota_config_pkey PRIMARY KEY (id)
);
CREATE TABLE public.weekly_availability_slots (
id uuid NOT NULL DEFAULT gen_random_uuid(),
template_id uuid NOT NULL,
time_of_day text NOT NULL CHECK (time_of_day = ANY (ARRAY['early_morning'::text,
'morning'::text, 'afternoon'::text, 'evening'::text])),
session_pattern text NOT NULL CHECK (session_pattern = ANY (ARRAY['p20'::text,
'p45'::text, 'p70'::text])),
created_at timestamp with time zone DEFAULT now(),
CONSTRAINT weekly_availability_slots_pkey PRIMARY KEY (id),
CONSTRAINT weekly_availability_slots_template_id_fkey FOREIGN KEY (template_id)
REFERENCES public.weekly_availability_template(id)
);

```

```
CREATE TABLE public.weekly_availability_template (  
  id uuid NOT NULL DEFAULT gen_random_uuid(),  
  child_id uuid NOT NULL,  
  day_of_week integer NOT NULL CHECK (day_of_week >= 0 AND day_of_week <= 6),  
  is_enabled boolean DEFAULT true,  
  created_at timestamp with time zone DEFAULT now(),  
  updated_at timestamp with time zone DEFAULT now(),  
  CONSTRAINT weekly_availability_template_pkey PRIMARY KEY (id),  
  CONSTRAINT weekly_availability_template_child_id_fkey FOREIGN KEY (child_id)  
  REFERENCES public.children(id)  
);  
  
CREATE TABLE public.weekly_goals (  
  id uuid NOT NULL DEFAULT gen_random_uuid(),  
  child_id uuid NOT NULL,  
  week_start_date date NOT NULL,  
  target_sessions integer NOT NULL DEFAULT 20,  
  completed_sessions integer NOT NULL DEFAULT 0,  
  created_at timestamp with time zone DEFAULT now(),  
  CONSTRAINT weekly_goals_pkey PRIMARY KEY (id),  
  CONSTRAINT weekly_goals_child_id_fkey FOREIGN KEY (child_id) REFERENCES  
public.children(id)  
);
```