Supabase API Key Migration Guide

🔄 Important Update: New API Key Terminology

Supabase has updated their API key terminology to be more intuitive and aligned with industry standards.

📋 Key Changes

Old Terminology → New Terminology

Legacy Name	New Name	Usage
`anon` key	`publishable` key	Client-side operations
`service_role` key	`secret` key	Server-side operations

🔧 Migration Options

Option 1: Update to New Format (Recommended)

```bash
# In your .env file
EXPO_PUBLIC_SUPABASE_URL=your_supabase_url_here
EXPO_PUBLIC_SUPABASE_PUBLISHABLE_KEY=your_publishable_key_here

# For server operations (if needed)
SUPABASE_SECRET_KEY=your_secret_key_here
```

Option 2: Keep Legacy Format (Still Supported)

```bash
# In your .env file
EXPO_PUBLIC_SUPABASE_URL=your_supabase_url_here
EXPO_PUBLIC_SUPABASE_ANON_KEY=your_anon_key_here

# For server operations (if needed)
SUPABASE_SERVICE_ROLE_KEY=your_service_role_key_here
```

🎯 Our Implementation

Our `src/lib/supabase.ts` file supports **both formats** automatically:

```typescript
// Checks for new format first, then falls back to legacy
const supabaseAnonKey = process.env.EXPO_PUBLIC_SUPABASE_ANON_KEY ||
            process.env.EXPO_PUBLIC_SUPABASE_PUBLISHABLE_KEY ||
            'YOUR_SUPABASE_PUBLISHABLE_KEY';
```

📍 Where to Find Your Keys

In Supabase Dashboard:

1. Go to your project dashboard
2. Navigate to **Settings → API**
3. Look for:
   - **Project URL** (same as before)
   - **Publishable key** (was "anon key")
   - **Secret key** (was "service_role key")

⚠️ Important Notes

Security Best Practices

- **Publishable key**: Safe to use in client-side code (React Native, web apps)
- **Secret key**: Should ONLY be used server-side, never expose in client code
- Always use environment variables, never hardcode keys

Migration Timeline

- **Legacy keys**: Continue to work indefinitely
- **New keys**: Available for all projects (new and existing)
- **Recommendation**: Use new terminology for better clarity

🔄 No Action Required

If you're already using the legacy format, **you don't need to change anything**. Our implementation automatically supports both formats, so your app will continue working regardless of which key format you use.

🚀 For New Projects

If you're setting up a new Supabase project, use the new terminology:

- Use `EXPO_PUBLIC_SUPABASE_PUBLISHABLE_KEY` instead of `EXPO_PUBLIC_SUPABASE_ANON_KEY`
- The functionality is identical, just clearer naming

📚 Additional Resources

- [Supabase API Keys Documentation](#)
- [Environment Variables Best Practices](#)

This migration guide ensures your lesson plan app stays compatible with both legacy and new Supabase key formats.